The University of Southern Mississippi

UNDERGRADUATE BULLETIN 1992-1993

"Research is to see what everyone else has seen and think what no one else has thought"

Albert Szent - György; Nobelist. 1937

UNDERGRADUATE PROGRAMS

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CALENDAR FOR SUMMER SESSION, 1992

Hattiesburg Campus

March 30-April 3	Advisement for telephone registration
April 6-12	Telephone registration for continuing students
May 13-27	Telephone registration and add/drop for continuing and reapplying students
Friday, May 8	Application deadline for new students
Wednesday, May 27	Last day to pay fees without cancellation of registration
Friday, May 29	Final registration for new and reapplying students
Sunday, May 31	Residence halls open
Monday, June 1	Classes begin Late registration and add/drop begin Last day to register for first three-week term classes
Tuesday, June 2	Last day to register for first half-term (S) classes
Friday, June 5	Last day to register for full-term classes
Tuesday, June 9	Last day to drop first three-week term classes without academic penalty
Friday, June 12	Last day to drop first-term (S) classes without academic penalty
Friday, June 19	End of and final examinations for first three-week term
Monday, June 22	Last day to register for second three-week term and six-week term classes
Friday, June 26	Last day to drop full-term classes without academic penalty
Tuesday, June 30	Mid-point in Summer Semester End of and final examinations for first-term (S) classes Last day to file application for undergraduate and graduate degrees for Fall, 1992 Commencement Last day to drop second three-week term classes without academic penalty
Wednesday, July 1	Second-term (SS) classes begin
Thursday, July 2	Last day to register for second-term (SS) classes
Friday, July 3	Independence Day Holiday
Wednesday, July 8	Last day to drop six-week term classes without academic penalty
Friday, July 10	End of and final examinations for second three-week term classes
Monday, July 13	Last day to register for third three-week term classes
Wednesday, July 15	Last day to drop second-term (SS) classes without academic penalty
Tuesday, July 21	Last day to drop third three-week term classes without academic penalty
Friday, July 31	Last day of regularly scheduled classes End of and final examinations for second-term (SS) classes End of and final examinations for third three-week term classes End of and final examinations for six-week term classes
Monday-Friday August 3-7	Examinations for full-term classes (including night classes)
Friday, August 7 6:30 PM	Commencement, Green Coliseum
Saturday, August 8	Residence halls close

CALENDAR FOR FALL SEMESTER, 1992

Hattiesburg Campus

March 30-April 3	Advisement for telephone registration
April 13-28	Telephone registration for continuing students
July 1-31, August 14-19	Telephone registration and add/drop for continuing and reapplying students
Friday, August 7	Application deadline for new students
Wednesday, August 19	Last day to pay fees without cancellation of registration
Friday, August 21	Final registration for new and reapplying students
Sunday, August 23	Residence halls open
Monday, August 24	Classes begin Late registration and add/drop begin
Tuesday, August 25	Last day to register for first-term (S) classes
Friday, August 28	Last day to register for full-term classes
Monday, September 7	Labor Day Holiday Monday day and night classes will not meet
Monday, September 14	Last day to drop first-term (S) classes without academic penalty
Monday, October 5	Last day to drop full-term classes without academic penalty
Thursday, October 15	Last day of and final examinations for first-term (S) classes Last day to file application for undergraduate and graduate degrees for Spring, 1993 Commencement
Friday, October 16	Mid-point in Fall Semester Registration for second-term (SS) classes
Monday, October 19	Second-term (SS) classes begin
Tuesday, October 20	Last day to register for second-term (SS) classes
Friday, November 6	Last day to drop second-term (SS) classes without academic penalty
Tuesday, November 24 6:00 PM	Thanksgiving Holidays begin Night classes do not meet
Monday, November 30	Classes resume
Tuesday, December 8	Last day of Tuesday-Thursday classes
Friday, December 11	Last day of and final examinations for second-term (SS) classes Last day of regularly scheduled classes
Monday - Friday December 14-18	Examinations (including night classes)
Friday, December 18 6:30 PM	Commencement, Green Coliseum
Saturday, December 19	Residence halls close

CALENDAR FOR SPRING SEMESTER, 1993

Hattiesburg Campus

October 19-23, 1992	Advisement for telephone registration
October 26-November 8	Telephone registration for continuing students
November 30-December 4, January 4-6	Telephone registration and add/drop for continuing and reapplying students
Friday, December 11	Application deadline for new students
Wednesday, January 6, 1993	Last day to pay fees without cancellation of registration
Friday, January 8	Final registration for new and reapplying students
Sunday, January 10	Residence halls open
Monday, January 11	Classes begin Late registration and add/drop begin
Tuesday, January 12	Last day to register for first-term (S) classes
Friday, January 15	Last day to register for full-term classes
Monday, January 18	Martin Luther King Jr.'s Birthday (Observed) Monday day and night classes will not meet
Monday, February 1	Last day to drop first-term (S) classes without academic penalty
Monday, February 22	Last day to drop full-term classes without academic penalty
Tuesday, February 23	Mardi Gras Holiday Tuesday day and night classes will not meet
Thursday, March 4	Last day of and final examinations for first-term (S) classes Last day to file application for undergraduate and graduate degrees for Summer, 1993 Commencement
Friday, March 5	Mid-point in Spring Semester Registration for second-term (SS) classes
Monday, March 8	Second-term (SS) classes begin
Tuesday, March 9	Last day to register for second-term (SS) classes
Friday, March 12 6:00 PM	Spring Holidays begin
Monday, March 22	Classes resume
Tuesday, March 30	USM Day
Friday, April 2	Last day to drop second-term (SS) classes without academic penalty
Thursday, April 8 9:15 PM	Easter Holidays begin
Monday, April 12	Easter Holiday Monday day and night classes will not meet
Tuesday, April 13	Classes resume
Tuesday, May 4	Last day of Tuesday-Thursday classes
Wednesday, May 5 6:30 PM	Wednesday night class examinations
Thursday, May 6	Last day of and final examinations for second-term (SS) classes
6:30 PM	Thursday night class examinations
Friday, May 7	Last day of Monday-Wednesday-Friday classes
Monday-Friday May 10-14	Examinations (day classes)
Monday, May 10	Last meeting of Monday night classes
Tuesday, May 11	Tuesday night examinations
Wednesday, May 12	Monday night examinations
Friday, May 14 6:30 PM	Commencement, Green Coliseum
Saturday, May 15	Residence halls close

CALENDAR FOR SUMMER SESSION, 1993

Hattiesburg Campus

March 22-26	Advisement for telephone registration
March 29-April 4	Telephone registration for continuing students
May 21-26	Telephone registration and add/drop for continuing and reapplying students
Friday, May 7	Application deadline for new students
Wednesday, May 26	Last day to pay fees without cancellation of registration
Friday, May 28	Final registration for new and reapplying students
Sunday, May 30	Residence halls open
Monday, May 31	Classes begin Late registration and add/drop begin Last day to register for first three-week term classes
Tuesday, June 1	Last day to register for first half-term (S) classes
Friday, June 4	Last day to register for full-term classes
Tuesday, June 8	Last day to drop first three-week term classes without academic penalty
Friday, June 11	Last day to drop first-term (S) classes without academic penalty
Friday, June 18	End of and final examinations for first three-week term
Monday, June 21	Last day to register for second three-week term and six-week term classes
Friday, June 25	Last day to drop full-term classes without academic penalty
Tuesday, June 29	Mid-point in Summer Semester End of and final examinations for first-term (S) classes Last day to file application for undergraduate and graduate degrees for Fall, 1993 Commencement Last day to drop second three-week term classes without academic penalty
Wednesday, June 30	Second-term (SS) classes begin
Thursday, July 1	Last day to register for second-term (SS) classes
Monday, July 5	Independence Day Holiday Monday night classes meet
Wednesday, July 7	Last day to drop six-week term classes without academic penalty
Friday, July 9	End of and final examinations for second three-week term classes
Monday, July 12	Last day to register for third three-week term classes
Wednesday, July 13	Last day to drop second-term (SS) classes without academic penalty
Tuesday, July 20	Last day to drop third three-week term classes without academic penalty
Friday, July 30	Last day of regularly scheduled classes End of and final examinations for second-term (SS) classes End of and final examinations for third three-week term classes End of and final examinations for six-week term classes
Monday-Friday August 2-6	Examinations for full-term classes (including night classes)
Friday, August 6 6:30 PM	Commencement, Green Coliseum
Saturday, August 7	Residence halls close

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GENERAL INFORMATION

Historical

The University of Southern Mississippi was established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College, and its original purpose was to train teachers for the rural schools of Mississippi.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply $250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House] and the President's Home [now the Alumni House]), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 200.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only six presidents since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1954, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially assumed office on August 1, 1955, and retired as of June 30, 1975. Dr. Aubrey Keith Lucas became the sixth president of the University on July 1, 1975.

As has been stated, The University of Southern Mississippi was founded on March 30, 1910, as the Mississippi Normal College. On March 7, 1924, the Legislature changed the name to State Teachers College. On February 8, 1940, the Legislature changed the name to Mississippi Southern College, and on February 27, 1962, the Legislature changed the name to The University of Southern Mississippi.

The Mississippi Normal College did not grant degrees in its early years, but awarded certificates for the completion of certain specified courses of study. On April 8, 1922, the Legislature authorized the awarding of the Bachelor of Science degree. The Bachelor of Music degree was authorized by the Board of Trustees on June 19, 1934. The first Bachelor of Arts degree was awarded on August 20, 1940. On May 26, 1947, the Board of Trustees authorized the initiation of graduate work and the awarding of the Master of Arts degree. In the years since 1947, the University's graduate programs have developed logically to meet the needs for professional competence beyond the academic measure of the baccalaureate degree. Doctoral programs were first authorized by the Board of Trustees on May 20, 1959.

The administrative and academic organization of The University of Southern Mississippi is divided into the following areas: Vice President for Academic Affairs, Vice President for Administrative Affairs, Vice President for Research and Planning, Vice President for Business and Finance, Vice President for Student Affairs, and Director of Intercollegiate Athletics.

The academic area of The University of Southern Mississippi is organized into the College of The Arts, the College of Business Administration, the College of Education and Psychology, the College of Health and Human Sciences, the College of Liberal Arts, the College of Science and Technology, the Honors College, the Graduate School, and the College of International and Continuing Education.

The number of graduates is some measure of the growth of a university. The University of Southern Mississippi has awarded 78,871 degrees since the first one was conferred in 1922.

Research has been strengthened at The University of Southern Mississippi in several ways; the number of doctoral degrees has been increased; the University has established its own scholarly journals *The Southern Quarterly, Educational and Psychological Research*, and *Business Insights*; the Computing Center has been equipped to expedite contracts and faculty research; the Office of Research and Sponsored Programs has been established by the University to promote research and to assist faculty members in their research activities; and The University of Southern Mississippi is a participating member of the University Press of Mississippi established on May 1, 1970. For further information on the University's research program, see the **Graduate Bulletin.**

The University of Southern Mississippi was established by the State of Mississippi, is owned by the State of Mississippi, and is operated and financed by the State of Mississippi. Its first Board of Trustees was established by the legislative act of March 30, 1910, and that board governed only this one institution. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the state voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

Beginning the Fall Quarter, 1972, credit was awarded in terms of semester rather than the traditional quarter hours although the University continued to operate on a quarter calendar, thus regularizing the credit system through the state's university system. Beginning with the Fall Term, 1978, the University changed to the regular semester system.

UNIVERSITY MISSION AND GOAL

The University of Southern Mississippi, located in the south central part of the state, is operated by the State of Mississippi as one of eight public universities. The University identifies its primary service area as the southern half of the state, although as a university, it is committed to serve the entire state with programs and services not available from other public educational institutions, with programs and services in which the University has specialized expertise, and with programs and services where the University is uniquely organized to fulfill existing needs. The University also believes that it should serve residents of other states and areas as far as possible within the limits of the law, financial resources, and physical facilities, and the University accepts the principle that a student body with divergent backgrounds is often desirable in creating an educational environment. In this belief and acceptance, the University sees itself as a regional institution.

While the University feels that it is accountable to all of its clientele for the highest quality possible in its programs and services, it acknowledges that by virtue of its being a state institution, it ultimately is responsible to the citizens of the State of Mississippi, their duly elected representatives, and their appointed representatives of legally constituted agencies.

THE PURPOSES OF THE UNIVERSITY

The University of Southern Mississippi is an emerging, comprehensive institution committed to seek and reward distinction among its programs, faculty, students, and services. Its purposes are to provide high-quality teaching, research, and service for the benefit of the people of Mississippi, the Gulf South, and the nation. In the direction for excellence set forth by the Board of Trustees of State Institutions of Higher Learning, in the stated commitment of its administration to aim at distinction, and in the energetic atmosphere created by faculty, students, and alumni, the University has an affirmative context as well as a capacity for its movement toward greater recognition of its programs and services.

The transmission of knowledge—instruction in its broadest sense—continues to be the University's central concern. As a comprehensive term, the transmission of knowledge incorporates the University's fundamental commitment to excellence in teaching and instructional activities which provide all students, at any stage of their lives and careers, with a wide array of opportunities for both a liberal education and specialized professional preparation. At the same time, the University transmits knowledge in all of its functions: by presentation, publication, and application of its research; by its far-reaching service programs; and by the sustained enrichment of the University community through broad experiences in the creative arts. As it aims toward recognition and distinction, the University seeks coherence and interdependence among teaching, research, and service, as it likewise seeks coherence and a continuum among undergraduate, graduate, and lifelong learning.

The University is in the same manner committed to the expansion and preservation of knowledge. Research is defined in the broadest possible terms, both in language appropriate to various disciplines and to its nature as an adventure in human thought. The University is expected to be a center for creativity and the development of new knowledge. The University aims, too, to preserve what is known by means of its libraries, museums, galleries, collections, and archives.

In the expansion and preservation of knowledge, as well as in its transmission, the University means to serve the large community to which it is responsible. It will continue to provide various learning opportunities through its programs of extension and continuing education, and it commits the full range of its intellectual resources to meet the changing needs of the society which it serves.

ADMISSION REQUIREMENTS AND PROCEDURES

All communications regarding entrance to the **undergraduate** colleges and schools of the University should be addressed to the Office of Admissions and Records, University of Southern Mississippi, Southern Station, Box 5011, Hattiesburg, MS 39406-5011.

Eligibility for admission will be determined when the application, ACT score, and scholastic records have been submitted. These items should be received before the deadline date of the semester for which the student is applying (see Calendar). The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character and must be willing to conduct his or her affairs so as to be a credit to the University. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself or herself and to the institution. Any undergraduate applicant who is denied admission to the University may have his or her case reviewed by the Undergraduate Committee for Admissions and Credits. To initiate the review procedure, the student should contact the Office of Admissions and Records. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the STUDENT EXPENSES Section of this **Bulletin. The University of Southern Mississippi does not discriminate on grounds of sex, race, color, religion, or national origin. These provisions also apply to handicapped individuals pursuant to current federal and state regulations subject to reasonable standards of admission and employment. All inquiries concerning discrimination should be referred to the Vice President for Administrative Affairs, Room 108, Administration Building, University of Southern Mississippi, Hattiesburg, Mississippi 39406-5177.**

All inquiries concerning admission to the University should be addressed to the Office of Admissions and Records, Southern Station Box 5011, Hattiesburg, MS 39406-5011.

ORIENTATION

New freshmen and transfer students entering The University of Southern Mississippi are required to participate in the orientation program, USM Preview. USM Preview is designed to acquaint students with University structure, policies, procedures, physical layout, faculty, students, organizations, and academic programs. Activities scheduled during the program include the following: evaluation of credit for transfer students, placement testing, academic advisement, small group sessions, open house for organizations, scheduling of classes, and registration.

Parents of entering students are also invited to attend the summer orientation program. Special sessions planned for parents include discussions about University policies, including finances, housing, student activities, educational and recreational opportunities, and academic programs.

For more information contact by mail or phone:

Student Orientation and Retention
Southern Station Box 5166
Hattiesburg, MS 39406-5166
(601) 266-4848

SPECIAL ADMISSIONS

The University has several special admissions categories for highly qualified high school students. To be considered for **EARLY ADMISSIONS,** the applicant must have achieved an exceptional record on a minimum of fifteen (15) units in an accredited high school, have the unqualified recommendation of his or her principal or headmaster, and have achieved a minimum composite score of twenty-four (24) prior to October, 1989, or twenty-five (25) since October, 1989, on the American College Test. The University also offers highly qualified high school students the opportunity to earn college credits while they are enrolled in high school. Through our **DUAL ENROLLMENT** program, high school students may take one (1) course per term at the University, provided that the course does not interfere with their high school curriculum. To be Dually Enrolled, the applicant must secure a Letter of Recommendation from his or her high school counselor and must have a minimum composite score of twenty-four (24) prior to October, 1989, or twenty-five (25) since October, 1989, on the ACT. The final form of special admissions is the University's **SPRINGBOARD** program. SPRINGBOARD is a summer program open to rising high school seniors. The applicant must have a minimum composite score of twenty-four (24) prior to October, 1989, or twenty-five (25) since October, 1989, on the ACT and a Letter of Recommendation from his or her high school counselor. For

information concerning either **EARLY ADMISSIONS** or **DUAL ENROLLMENT**, make all inquiries to Director of Admissions, Southern Station, Box 5011, Hattiesburg, MS 39406-5011. Inquiries concerning **SPRINGBOARD** should be addressed to SPRINGBOARD COORDINATOR, Southern Station, Box 5166, Hattiesburg, MS 39406-5166.

ADMISSION BY EXAMINATION

A student who has not been graduated from high school may be admitted if he or she achieves a standard score of forty (40) on each of the five tests or an average standard score of forty-five (45) on all five tests of the high-school level General Educational Development Tests and attain a minimum ACT composite score of twenty-four (24) prior to October, 1989, or twenty-five (25) since October, 1989. The applicant must provide evidence that a high school equivalency certificate has been issued. The applicant should request the State Department of Education of the state which issued the certificate to provide an official transcript of the GED. The University does not award credit for the General Educational Development Tests, College Level.

ADVISEMENT

All new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study to meet their individual needs. Assignment of advisers is based on the student's stated educational or career plans. The General Studies program, administered by the College of Liberal Arts, provides an organized plan of advisement for students undecided in their academic majors. Students who have determined an interest in a field of study outside of the College of Liberal Arts should enroll as undeclared majors within the college of that field. The Career Center provides a program of academic and career counseling for prospective students of the University.

APPLICATION PROCEDURES FOR FRESHMEN

HOW TO APPLY

Each entering freshman applicant is required to:

1. Present an application for admission.
2. Submit, beginning with the fall term of 1986, an official high school transcript which states the date of graduation and which indicates credit in the following high school units in grades 9-12:

Subject	Units	
English	4	- All must require substantial writing components.
Mathematics	3	- Algebra I, Geometry, and Algebra II or higher mathematics.
Sciences	3	- Choose from Biology, Advanced Biology, Chemistry, Advanced Chemistry, Physics, Advanced Physics. One of those chosen must be laboratory based.
Social Sciences	2½	- Must include United States History and American Government.
Required Elective	1	- Choose from a foreign language or mathematics or a science (chosen from the science courses listed above).

It is recommended that students also pursue two units of foreign languages, a unit of mathematics and a computer science course during their senior year, and gain a level of typing proficiency.

A minimum ACT composite score of fifteen (15) prior to October, 1989, or eighteen (18) since October, 1989, is required for admission.

Any student with an ACT composite score of twenty-four (24) prior to October, 1989, or twenty-five (25) since October, 1989, is exempt from the Board's high school units requirement.

Beginning Fall, 1986, and prior to October, 1989, any student whose ACT composite score is between 15 and 23 may be allowed to enter with a maximum of three (3) deferrals, one of which must be exempted with an eighteen (18) ACT subtest score in an area of deficiency.

Beginning October, 1989, any student whose ACT composite score is between 18 and 24

may be allowed to enter with a maximum of three (3) deferrals, one of which must be exempted with a twenty (20) ACT subtest score in the area of deficiency.

By Board policy, students allowed to enter the University with deferrals must pass a specified course(s) in the area(s) of the deferral(s) during their first term of enrollment. Failure to pass the specified course(s) during the restricted time period will result in dismissal from the University.

Any student who graduated from high school prior to or in December, 1985, or who was enrolled in any institution of higher learning prior to Fall 1986, is not bound by the 1986-87 freshman admission requirements.

When the application, transcript, and ACT results have been received, the Office of Admissions and Records will inform the applicant of his or her admission status. If the student applies early in his or her senior year, a notice of admission status is issued as soon as evaluation is completed. In addition to students admitted with an ACT composite score of fifteen (15) prior to October, 1989, or eighteen (18) since October, 1989, the University may enroll a number equivalent to five (5) percent of the previous year's freshman class enrollees or fifty (50) students (for summer, fall, and spring terms) to accommodate talented and/or high risk students.

Entering freshmen who have been admitted to the University but have sub-standard scores in the ACT sub-test areas of English, mathematics, and reading MUST register for the appropriate developmental courses in accordance with Board of Trustees regulations. These courses will automatically be placed on the applicant's Registration Appointment Form. With the approval of the instructor, the student enrolled in any developmental course may "test out" of the course at any time during the term of the course. The student MUST pass all required developmental courses during his or her first two terms of enrollment at the University. Failure to pass the required developmental course within the first two terms of enrollment will result in the student's Administrative Dismissal from the institution. Any student Administratively Dismissed from the institution for failure to pass required developmental courses must attend another accredited institution and must pass a course in the required developmental area before he or she can be considered for readmission to the University.

WHEN TO APPLY

A high school student, especially one who is also applying for financial aid, is urged to apply for admission early in his or her senior year. The applicant should have his or her high school mail to the Office of Admissions and Records a transcript complete for his or her first six semesters. A student who applies during his or her final senior semester should provide a transcript complete for the first seven semesters. The deadline for receipt of applications and all required credentials, including results of the American College Test, is twenty (20) days in advance of the session for which the application is being made. An application is processed as soon as possible after all required items are available. A notification of admission is then issued to the admissable student.

TRANSFER STUDENTS

HOW TO APPLY

Each new student who has attended other colleges or universities and who is seeking admission to an undergraduate college is required to file with the Office of Admissions and Records an application for admission (form to be obtained from that office). He or she should also request the authorities at each institution attended to send an official transcript of his or her record to the Office of Admissions and Records. The student who is applying with fewer than twenty-four (24) semester hours of college credit acceptable by this University must also have sent to the Office of Admissions and Records an official high school transcript showing the date of graduation. The applicant must also provide an official report of the American College Test scores directly from the testing service. Applications will be processed and admission status determined when all required items, including the ACT where applicable, are on file.

Any prospective transfer students who have achieved all of the standards as specified by the Board of Trustees for admission to the universities under the governance of the Board of Trustees but who choose to attend an institution not under the governance of the Board of Trustees may transfer at any time to an institution under the Board of Trustees. This does not alter individual institutional requirements regarding transfer students.

Any student whose ACT composite score is below an institution's minimum required score and who has not been selected as a high risk student by the institution must attend an accredited institution of higher learning other than those under the governance of the Board of Trustees and must attain a **C** average (2.0 GPA on a 4.0 scale) in the following twenty-four (24) semester credit hours:

6 semester hours English Composition
3 semester hours College Algebra or above
6 semester hours Laboratory Science
9 semester hours Transferable Electives

The applicant also must show that he or she has earned an overall GPA of 2.0 on all course work attempted. Developmental courses in English, mathematics, and reading will not be accepted for transfer credit, nor will the grades and hours be used in computation of the individual GPA for admission to the University.

Transfer students may be accepted from other institutions of higher learning only when the program of the transferring institution is acceptable to the receiving institution, the program of studies completed by the student meets the requirements established above, and the quality of work performed by the student is acceptable to the Board of Trustees. The authorities at the institutions under the jurisdiction of this Board are authorized to require acceptable scores on recognized tests for such transfer students. No student seeking to transfer during the midst of the session, quarter, semester, or trimester of the institution in which he or she is currently enrolled can be considered.

A student currently enrolled in another institution at the time he or she makes application for admission for the following session to one of the undergraduate colleges of this University should arrange to have forwarded to the Office of Admissions and Records an official transcript which includes a listing of courses in progress as well as all completed work. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency of the Mississippi Commission on College Accreditation.

The student must indicate on the application all previous college attendance. An applicant is not permitted to ignore previous college attendance or enrollment. A student who misrepresents information in filling out the admission application form or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her last institution and who fails to report this immediately to the Office of Admissions and Records will be subject to disciplinary action, including possible dismissal from the University.

At the discretion of the executive officer, the University may allow a limited number of high risk transfer students to enter who have not met the entire 24-hour transfer requirement. This number shall be no greater than a number equivalent to five percent of the previous year's (for summer, fall, and spring terms) first-time transfer students. Each high risk student must have achieved a minimum of fifteen (15) transferable semester hours, with a minimum grade point average of 2.5 on a 4.0 scale. These fifteen (15) hours must include six (6) hours of English Composition.

WHEN TO APPLY

The application, required credentials, and the ACT results (when applicable) must be on file in the Office of Admissions and Records not less than twenty (20) days in advance of the session for which application is being made.

ADMISSION PROCEDURE

When the application, all required credentials, and the ACT results (if applicable) have been received, the Office of Admissions and Records will provide the applicant a notice of admission status.

Transferred credit will be evaluated after the admission status has been determined. If an evaluation is received prior to registration day, the student should bring it for use during advisement. Otherwise, the student should contact the Office of Admissions and Records upon arrival on campus for the purpose of attaining a transfer credit evaluation.

GENERAL TRANSFER REGULATIONS

The University requires a grade average of C in all previous college work. The applications of students whose records do not meet the indicated requirements may be subject to review by the Director of Admissions or the Admissions and Credits Committee.

A student under academic suspension from another college or university may not enter the University of Southern Mississippi during the term of his or her suspension. Upon termination of the suspension period there is no bar to admission if he or she is eligible in other ways.

In general, students under disciplinary suspension are not admitted to the University of Southern Mississippi.

Students from fully accredited institutions ordinarily will be given full credit for work transferred into the University, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution.

Credits transferred from an accredited community/junior college will be accepted as determined by the college in which the student is enrolled. In accepting community/junior college credits, no courses will be considered as above sophomore level. Credit earned in institutions which have not been fully accredited is usually accepted on the same basis set by the university designated as the state university of the state in which they are situated. When acceptance of credit on a validation basis is indicated, the student will be required to validate such credit by at least a 2.0 GPA on his or her first 12 semester hours of residency study here. Examinations for the validation of credit may be required.

Neither vocational nor developmental/remedial courses will be accepted for transfer credit, nor will the grades made on these courses be used in computation of the grade point average for admissions purposes. Institutional credit not based on acceptable nationally standardized tests is not transferrable for admissions nor is it applicable toward a degree.

PROBATIONARY ADMISSIONS

Transfer applicants who meet all regular transfer requirements but who do not have a minimum 2.0 grade point average (on a 4.0 scale) may be admitted to the University on Admissions Probation if the following requirements are met:

1. Applicant *must* meet ACT/SAT requirements mandated by the Board of Trustees.
2. Applicant *must* meet *all* curriculum requirements mandated by the Board of Trustees (freshmen or transfer, not both).
3. Applicant's grade point average *must* meet the General Academic Standards level cited on page 25 of this publication.

If the above criteria have been met and an applicant has been admitted on probation, the student *must* maintain the following prescribed standards to continue enrollment:

1. To "clear" Admissions Probation, the student must pass a minimum of twelve (12) semester hours with a minimum 2.5 grade point average.
2. To continue to enroll on Admissions Probation, a student *must* maintain a minimum 2.0 grade point average on all USM courses.

If an Admissions Probation student fails to maintain a minimum 2.0 grade point average during any term at USM while on probation, he or she will be suspended, for which there is *no* appeal. A student suspended administratively must attend another accredited institution and must achieve an overall 2.0 grade point average (from all institutions of record) before he or she may be considered for readmission to USM.

Because continuance at USM is based on academic performance, students on Admissions Probation will not be allowed to register early prior to completion of the term of probation.

TRANSFER CREDITS

Credits transferred from accredited institutions are reproduced on the permanent records of the University of Southern Mississippi. This action is evidence that the credits are considered valid. **Validity,** however, is not to be confused with acceptability or applicability.

Applicability of transfer work depends upon the coincidence of transfer credits with the requirements of a particular curriculum. **Applicability** varies from curriculum to curriculum, not only for transfer students from other institutions but for students transferring from one school or curriculum to another within the University of Southern Mississippi. In either case the upper limit of the number of applicable credits is the number of accepted credits. **Applicability** is determined by the dean of the college to which one is admitted.

Transfer hours passed will be accepted. To meet graduation requirements transfer students must have an overall **C** average, calculated by the method currently in use at the University of Southern Mississippi, on all hours scheduled and rescheduled at all institutions attended, including the University of Southern Mississippi. Excessive quality points earned at other institutions cannot be used to offset any deficiencies at the University of Southern Mississippi. **Acceptance of community/junior college work is limited to one-half of the total requirements for graduation in a given curriculum. The last half of the total hours applied toward graduation must be earned in a senior college.** (See also "Graduation and Degree.")

A maximum of sixty-four (64) semester hours of credit earned through Credit by Examination, independent study courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at the University of Southern Mississippi. No more than thirty (30) semester hours in a degree program may be earned through Credit by Examination.

Credit will not be granted for college courses carried at another institution of college level when a student is enrolled for residence credit in this University except upon prior written approval of the dean of the college in which the student is enrolled.

TRANSCRIPT EVALUATIONS AND VALIDATION OF UNACCREDITED CURRICULUM

The Office of Admissions and Records is charged with the responsibility of providing transferring students and their advisers with Transcript Evaluations on a timely basis. An Official Transcript Evaluation will be completed only after all the required official documents necessary to the applicant's admission to the University have been received by the Office of Admissions and Records. For the convenience of both the student and adviser, an Unofficial Transcript Evaluation will be provided to assist in advising and in the procurement of Financial Aid and Veterans Administration benefits, etc. Any student in an "Unclear" admission status cannot be granted an Official Evaluation. However, once the "Unclear" status has been "Cleared" the Official Evaluation will then be completed and posted on the student's academic record.

Non-traditional credits awarded by another institution will be evaluated in terms of current policy at the University of Southern Mississippi. Unless the basis for awarding the credit is readily identifiable, no credit will be allowed until such time as the student, through the awarding institution, can establish the creditability of the curriculum.

Students who have attended unaccredited institutions may request validation of the curriculum passed at those institutions once they have completed twelve (12) semester hours (9 semester hours at Gulf Park) with a minimum 2.0 GPA. The student must make a written request to the Office of Admissions and Records requesting validation of this transfer curriculum. In all cases, the applicability toward degree of all validated credit will lie with the department chair and the dean of the college of record.

ACCEPTANCE OF MILITARY CREDIT

1. Credit for military schools and educational experiences in the armed forces is awarded on the basis of recommendations of the American Council on Education.
2. Correspondence and/or extension courses, including USAFI/DANTES college level courses, may be applied toward a degree up to a maximum of thirty-two (32) semester hours. No more than nine (9) semester hours of correspondence (USAFI) work may be earned in any one field.
3. Credit from the Community College of the Air Force is acceptable toward a degree.
4. A maximum of sixty-four (64) semester hours of credit earned by independent study, extension, and military experience combined may be applied toward a degree.

REQUIREMENTS FOR MILITARY PERSONNEL: THE BOOTSTRAP PROGRAM

In order to receive an official evaluation of credits to determine eligibility for Bootstrap attendance, the following educational credentials must be forwarded:

1. A properly executed military DD Form 295.
2. Official transcripts bearing the raised seal from each institution where credit has been earned.
3. Official transcripts and CLEP scores for courses completed through the United States Armed Forces Institute, Madison, Wisconsin.
4. Official high school transcript.
5. An application for admission submitted with the request for an evaluation.

All documents and correspondence should be directed to the department chair of the student's major.

REQUIREMENTS FOR SCHOOL OF NURSING, BACCALAUREATE

Students desiring admission to the School of Nursing are subject to the admission procedures of the University. A separate application form is required by the School of Nursing. (Please refer to the School of Nursing Admission section.) To be admitted to the baccalaureate nursing major, students must also meet the following minimum requirements:

1. An Enhanced ACT of 21 or above. A corresponding score on the ACT taken prior to October 1989 or the SAT.
2. A grade point average of 2.5 on courses prerequisite to the nursing major.
3. A minimum of a C in each course applicable to the nursing curriculum.
4. All students admitted to the nursing major must have an ACT score.

Students not meeting the above requirements may request a conditional admission.

NON-TRADITIONAL STUDENTS

WHO MAY APPLY

For the adult who wishes to complete certain specific undergraduate courses in a degree or non-degree status, admission may be granted through the Office of Admissions and Records provided the applicant meets these conditions:

1. Has a high school diploma or its equivalent.
2. Is at least 21 years of age.
3. Meets acceptable grade-point average requirement on transfer work.

REGULATIONS GOVERNING NON-TRADITIONAL STUDENTS

Previous academic records are required of all applicants. Applicants for non-traditional status are required to certify that they are not under suspension from any college or university. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her last institution and who fails to report this immediately to the Office of Admissions and Records, will be subject to disciplinary action, including possible dismissal from the University.

The student registered in non-traditional status is subject to all University regulations governing registration, attendance, and academic standing. Credit earned in non-traditional status is recorded on the student's permanent record and may be applied in an undergraduate degree program when the student has satisfactorily established degree status by meeting the entrance requirements of the University and of the degree-granting college of his or her choice. A non-traditional student may not register for more than twelve (12) semester hours per semester. Non-traditional students are ineligible for some forms of financial aid and must consult with the Office of Financial Aid if aid is needed.

THIRTY-HOUR LIMITATION ON NON-TRADITIONAL STATUS

A student is permitted to earn a maximum of thirty (30) semester hours of credit in non-traditional status. No undergraduate college of the University will accept in a degree program in excess of thirty (30) semester hours earned while the student has been registered in non-traditional status, nor is a college obligated to accept any hours earned in non-traditional status which do not fulfill college degree requirements. The student who is approaching the thirty (30) hour limitation in non-traditional status, if he or she wishes to continue taking courses for credit, should consult the Office of Admissions and Records concerning procedures required to establish regular degree status.

Non-traditional students applying for regular status are required to follow admission procedures and to provide all items required of transfer students.

REQUIREMENTS FOR FOREIGN STUDENTS:

Regular University Programs

1. International students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as a freshman with the exception of the specified ACT score. A composite standard score of twenty (20) prior to October, 1989, or twenty-one (21) since October, 1989, is required for admission.
2. If English is not the native language of the student, a score of at least 525 is required on the TOEFL (Test of English as a Foreign Language).
3. Because application processing requires more time for international students, all applicants residing outside the United States must submit all application materials at least **three months** before the proposed date of entry into the University. International student applicants residing inside the United States must submit all application materials at least **two months** before the proposed date of entry into the University.
4. International students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students. The TOEFL requirement may be waived if the transfer student has successfully completed all freshman English requirements with an average of 2.0 or better.
5. A twenty-five dollar ($25.00) non-refundable fee must accompany each international student's application for admission.
6. International students applying for admission to regular university programs should send documents and correspondence to:

Director
Office of International Student Affairs
Center for International Education
University of Southern Mississippi
Southern Station, Box 5151
Hattiesburg, MS 39406-5151
U.S.A.

English Language Institute Programs

1. International students between the ages of 17 and 70 are eligible for admission. Students 17 years of age, however, must attach to their application a complete copy, in English, of their high school diploma or transcript.
2. Applications must include a letter from a bank or supporting agency verifying availability of funds.
3. To help assure acceptance, applicants should see that their applications are received by the University of Southern Mississippi at least 21 calendar days prior to registration for the course for which application is made. No student will be allowed to register after Tuesday of the first week of classes.
4. No application can be processed and no Immigration Form I-20 can be processed until all required materials have been received by the University.
5. A Dual I-20 Form can be issued to those students accepted by the English Language Institute and deemed academically admissible by the University. This I-20 Form enables a student to enter the University in a degree-granting program once all admission requirements have been met.

International students interested in attending the English Language Institute at the University of Southern Mississippi for intensive studies in English should direct all correspondence to:

Director
English Language Institute
Center for International Education
University of Southern Mississippi
Southern Station, Box 5065
Hattiesburg, MS 39406-5065
U.S.A.

IMMUNIZATION REQUIREMENTS

All students (including transfers) entering the University for the first time and enrolling for academic credit must document proof of immunization for measles and rubella.

1. Proof of immunization may be documented in the following manner:
   a. Obtain a Certificate of Compliance with Immunization (Form No. 121-C) from your local Mississippi State Board of Health Office, if you are a resident of the State of Mississippi;
   b. Documentation (month and year) of immunization which was received after the first birthday;
   c. Positive measles and rubella serology titer with date;
   d. Physician-documented history of having had measles with date of disease. History of rubella is not acceptable.
2. Temporary exceptions - one semester;
   a. Pregnant women;
   b. Women suspecting pregnancy;
   c. Women anticipating pregnancy within three months.
3. Permanent exceptions:
   a. Medical disease which will cause a permanent contraindication to immunization;
   b. All persons born prior to 1957.

READMISSION TO THE UNIVERSITY

Students who have previously attended the University and have a break in attendance of one or more terms must file an application for readmission. Readmission documents required include an official transcript from each institution attended since leaving USM, and, if a degree has been received from another institution, an official transcript showing that degree.

Students must meet the minimum admission standards of the University and be in good standing at all institutions attended since leaving USM in order to be eligible for readmission.

Questions concerning readmission should be directed to the Office of Admissions and Records.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

(Buckley Amendment)

The Buckley Amendment deals with one subject only: educational records. The purpose of the law is to define, more precisely than ever has been done, who may or may not see them. On the one hand, the law grants students guaranteed access; on the other hand, it takes from the universities the privilege of indiscriminate disclosure.

The Buckley Amendment sets forth these main requirements:

(1) it allows a student access to each educational record that a university or college keeps on him or her;
(2) it requires the institution to establish a policy on how students can go about seeing specific records;
(3) it requires the institution to inform all students as to what rights they have under the Amendment, how they can act on these rights according to school policy, and how they can see a copy of the policy; and
(4) it requires the institution to seek student permission, in writing, before disclosing any personally identifiable record to individuals other than professional personnel employed in the university or college (and others who meet certain specified requirements).

The University has developed and put into writing a policy for handling requests from students and for disclosing personally identifiable information about students. Students are notified of their rights under the law by publishing the University policy in the student handbook.

BULLETINS

The University of Southern Mississippi has four publications each year; the **Undergraduate Bulletin,** the **Graduate Bulletin,** the **Independent Study Bulletin,** and the **Regional Campus Bulletin.** To get the complete programs of the University, please check each **Bulletin.**

RETENTION OF STUDENTS AND PROGRAM COMPLETION INFORMATION

The University will provide, upon request, information regarding student retention as well as the number and percentage of students completing specific undergraduate programs at The University of Southern Mississippi. For further information, please contact:

Bureau of Institutional Research
Southern Station, Box 5167
The University of Southern Mississippi
Hattiesburg, MS 39406-5167
(601) 266-4059

GENERAL ACADEMIC REGULATIONS

1. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for five class days.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is fifty dollars ($50.00).

2. Change of Schedule: A student is permitted to drop a course through the 30th class day. After the 30th class day, an academic dean may grant a student permission to drop a course under extenuating circumstances, at which time the student will receive a grade of **W** or **F**.

3. Withdrawal from the University: A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His or her record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of **W** or a grade of **F**.

a. **Withdrawal Procedures**
A student finding it necessary to withdraw from the University must begin the process with the dean of his or her college who shall initiate the Withdrawal and Refund Authorization Form. A student who is undecided on a major must begin the process in the dean's office of the College of Liberal Arts where the Withdrawal and Refund Authorization Form will be initiated.

b. **Refund Policy.**
The withdrawal deadline for receipt of a grade has nothing to do with the refund schedule for fees. A student who officially withdraws after enrollment may obtain a refund in accordance with the refund policy on page 43 of this **Bulletin**.
Appeals for refunds due to extenuating circumstances may be made in writing to:
Vice President for Business and Finance
University of Southern Mississippi
Southern Station, Box 5005
Hattiesburg, MS 39406-5005

4. Load of Work: The typical student load is twelve (12) to nineteen (19) semester hours. Nine (9) to fourteen (14) hours is considered a full load during the summer session. Nineteen (19) hours is the maximum load without dean of college approval.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Class attendance policy will be set by the professor. It will be the responsibility of each professor to notify his or her classes at the outset of each semester as to the attendance requirements to which each student must adhere.

6. Examinations: Examinations will be held as published in the schedule of classes. No final examinations are permitted prior to the scheduled examination period (see Calendar). A student who is absent from the final examinations without valid reason approved by the Vice President for Academic Affairs forfeits credit for the semester.

7. Grading System:

A — indicates superior work and carries 4 quality points per semester hour.
B — indicates excellent work and carries 3 quality points per semester hour.
C — indicates average work and carries 2 quality points per semester hour.
D — indicates inferior work and carries 1 quality point per semester hour.
E — indicates a course in progress. Not included in the grade point average, a grade of **E** shall be awarded for graduate thesis and dissertation courses and for such self-paced or skill courses as the Academic and/or Graduate Council may designate. An **E** shall be changed to a **P** or a valuative grade **(A,B,C,D,F)** only in the case of credit for thesis and dissertations and then only for the minimum hours required (usually 6 hours). Otherwise, the **E** remains on the record indicating that to receive credit the student must re-register for the undergraduate course, repeating it on a regular basis until completing it. Upon completion, the appropriate grade, whether **P** or valuative, shall be assigned.
F — indicates failure and carries no quality points. The grade of **F** will also be assigned if a student withdraws from the University after the deadline and has failing grades at the time of withdrawal.
W — indicates withdrawal from a course passing.
I — indicates an incomplete record and will have no immediate impact on a student's grade point average. An **I** must be removed within the student's next term of attendance. If an **I** is allowed to remain on the record, it will be treated as an "F" at the time of graduation. An **I** may not be removed by taking an independent study course. The **I** grade in an incomplete course will be treated as an "F" if the student chooses to register for the course.

N — indicates a failing grade in courses taken on a pass-fail basis (does not count in computing GPA).

P — indicates a passing grade in courses taken on a pass-fail basis (does not count in computing GPA).

X — indicates failure to drop or withdraw properly, but only before the 30th class day. It will count as an **F** in the student's grade point average and may not be used for a student who simply stops attending class after the drop date. Upon completion of the drop/withdrawal form by the student, the Registrar is authorized to replace the grade of **X** with a **W**.

Pass-Fail: Students may take courses either on a pass-fail basis or for a grade. The option must be exercised at the time of registration, and the option may not be altered after the deadline for adding courses. No more than thirty-six (36) semester hours earned in independent study or pass-fail courses, with a limit of eighteen (18) semester hours of pass-fail courses, may be applied toward a degree. No more than twelve (12) semester hours earned from the same department by independent study or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to repeat a course for the purpose of improving the grade point average or to remove an **Incomplete.** Such courses cannot be a part of a prescribed degree program, i.e., core requirements, major, or minor.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as a student regularly enrolled. Although no credit is awarded, a student who meets the instructor's requirements for a successful audit will receive an appropriate entry on his or her official record. The instructor has the right to remove a student from the final grade roster for non-attendance. The credit option (audit to credit or credit to audit) may not be changed after the deadline for adding courses. **The fee for audit is the same as if registered for credit.**

Computation of Grade Point Averages: Grade point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. The total hours attempted, for suspension purposes, will include credit undertaken at the University and credit transferred; the grade point average will involve only credit for courses attempted at the University of Southern Mississippi.

Courses in which a student receives an **E** will not be counted in the "total hours attempted."

An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of eighteen (18) semester hours in order to improve his or her grade-point average. (That is, he or she may repeat one, three-hour course six times; three, three-hour courses twice each; six, three-hour courses once each; etc.) The six-repeat rule shall include all repeats including junior college or any other college or university work. The first six (6) repeats used shall stand. Other than these "repeats" all credit attempted will be used in computing the grade point average. Courses failed at The University of Southern Mississippi may be retaken at another institution. If the course is passed at another institution, the hours will be deducted from those attempted at The University of Southern Mississippi and the initial grade will not count in the computation of the student's grade point average.

Dean's List: Students will be placed on the Dean's List if they have maintained a grade point average of 3.25 or above on an academic load of twelve (12) semester hours or more during fall or spring, nine (9) or more during summer, provided thay have no grade of **D** or below (includes **F, I,** or **X**).

President's List: Students will be placed on the President's List if they have earned a grade point average of 4.0 (all **A's** on a load of twelve (12) semester hours or more during fall or spring, nine (9) or more during summer, (provided there are no grades of **I, X**).

8. Academic Standards: An undergraduate student will be allowed to continue in the University as long as the following grade point average (GPA) is maintained. In some cases, a higher minimum allowable GPA is specified by the University or by specific colleges within the University. This GPA must be maintained in addition to the requirements listed below.

Total Hours Attempted (Including transfer credit)	**Minimum Cumulative GPA Required** (USM work only)
0 - 26	1.50
27 - 53	1.75
54 and above	2.00

Total hours attempted will include credit taken at the University and any credit which might have been transferred. Courses in which a student has received an **I, E,** or **Pass-Fail** credit will not be counted in the total hours attempted. The GPA will be computed based upon credits earned at USM only.

If a student does not attain the minimum GPA on the scale, he or she is placed on academic probation at the end of the academic term. Academic probation will be removed when the student attains the acceptable GPA as shown above. Otherwise, he or she will be placed on academic probation continued for as long as he or she earns at least a 2.00 average per term or attains the acceptable GPA. The first term a student does not earn at least a 2.00 average while on academic probation continued he or she will be suspended by the University. Notice of

academic probation, academic probation continued, or suspension will be shown on the end-of-term grade report.

A student placed on academic suspension may not register until he or she has been reinstated through an appeal process through the dean of the college in which he or she is enrolled as a major. Probationary status does not require an appeal for reinstatement.

This Statement of Academic Standards became effective with the beginning of Fall Semester, 1985-86.

Any student who earns a **0.00** grade point average for any one semester with twelve (12) or more hours for fall or spring, nine (9) or more summer, will be automatically suspended regardless of the overall grade point average and must appeal the suspension in the same manner as any other academically suspended student.

Students on disciplinary suspension may not enroll in any courses offered by the University of Southern Mississippi.

9. Memorandum of Credits/Transcripts: A memorandum of credits is a statement available from the Office of Admissions and Records showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are $1.00 each. Transcripts are official memoranda of credits carrying the official seal of the University and are $2.00 each.

10. Change of Major within a College: Any student wishing to change his or her major within a college must secure the approval of the dean.

11. Change of College: A student wishing to transfer from one college of the University to another must make application to and be approved by the dean of the college he or she wishes to enter.

12. Classification of Undergraduates: A student is classified as a: **Freshman** when he or she has less than 27 semester hours of earned credit: **Sophomore** with as many as 27 semester hours but less than 54 semester hours: **Junior** with as many as 54 hours but less than 87 hours; **Senior** with 87 or more semester hours of earned credit.

13. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 or above. Courses taken by independent study will carry the prefix **C**. Honors courses carry the prefix **H**.

14. Course Sequence and Related Sequences: Certain 100- and 200-level courses may not be taken for credit by a student after he or she has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Course Description Section of this **Bulletin**. Selection of the courses, as well as exceptions to the policy, is left to the department chairs.

15. Credit by Examination and by Portfolio: The University of Southern Mississippi will allow students to earn credit by examination and by portfolio under one or more of the following programs up to a total of thirty (30) semester hours.

Credit earned through the use of the examination will be included in the sixty-four (64) hours "Limitation of Transfer Credits" rule and may not be used to meet the thirty-two (32) hours on-campus requirement.

a. **College Level Examination Program: General Examination.** The University of Southern Mississippi will allow credit by examination to those students who have participated in the College Level Examination Program and who have achieved a scaled score of 500 or above (610 in English through April, 1986). Credit will be restricted to students who have been out of high school for at least three (3) years. It will be the responsibility of the Office of Admissions and Records to determine a person's eligibility to receive credit. A student who has earned over thirty (30) semester hours of college credit may not earn additional credit through the use of this examination. Credit appearing on another institution's transcript will be accepted for credit only if it meets the same guidelines as those required for USM students. Credit will be granted for successful completion of the examination in the following manner.

CLEP General Examination	Course Equivalent	Semester Hours
English Composition	ENG 101, 102	6
Social Science	History	3
	Social Sci. Elective	3
Natural Science	FS 104, 106	6
Humanities	AA 100	3
	Literature	3
Mathematics	MAT 101	3
	Mathematics Elective	3
Total		30

Credit will be awarded for each area in which the student receives a scale score of 500 or above.

b. **College Level Examination Program: Subject Area Examination:** A student of any age who has not earned college-level credit in the subject area in which he or she seeks credit can take a CLEP subject-area examination for advanced placement and college credit. **CLEP credit cannot be used to remove an F grade.** Credit will be awarded for a scale score of 50 or above. The optional essay is required for all English and Psychology examinations, and the free-response section is required for certain Mathematics examinations. The appropriate department at USM will have final determination in the amount of credit to be awarded based on the optional essay or free-response sections. Under this program, students are restricted to a maximum of thirty (30) semester hours, with not more than six (6) hours or two (2) courses in one subject-matter area. (It is understood that the thirty (30) hour total includes all credit earned by examination.) The adoption of the CLEP standardized examination will preclude the use of departmental examinations except in those areas where CLEP examinations are not available. The Office of Admissions and Records will be charged with responsibility for determining student's eligibility to earn credit through these examinations. Credit appearing on another institution's transcript will be accepted for credit only if it meets the same guidelines as those required for USM students.

Additional information, applications, and CLEP Bulletins may be secured from the Office of Admissions and Records, Room 110, Student Services Building, or by writing Southern Station, Box 5011, Hattiesburg, MS 39406-5011.

c. **Advanced Placement Program:** Students from cooperating high schools can earn up to eighteen (18) hours with no more than six (6) hours or two (2) courses in one subject-matter area through the College Board's Advanced Placement Testing Program. Through the 1986 AP Testing year, a score of 3 or above will yield three (3) hours credit; a grade of 5 will yield six (6) hours credit. Beginning with the 1987 AP Tests, a score of 2 or above will yield three (3) hours credit, and a score of 4 or above will yield six (6) hours credit. Departments may require higher scores. (For the AP Biology test only, a score of 3 or below will receive no credit; a score of 4 or above will receive six (6) hours of credit plus the additional laboratory credits). The awarding of credit will be administered by the Office of Admissions and Records.

d. **Challenge Examination:** Under the following policy, and with the approval of the Vice President for Academic Affairs, departments may grant credit by examination in lieu of class enrollment for courses where no CLEP subject area examination is offered.

i. The student must be currently enrolled or must be a former student of the University.
ii. The examination must be given by the department through which the course is offered.
iii. The student must make application to the chair of the department who should be assured that the student has had some formal or informal learning experience which has prepared the student for the examination.
iv. If approval is granted, the department chair sends a memorandum by the student to the Office of Admissions and Records giving the student permission to register for the course(s) on an arranged basis. The memorandum should include the student's name and Social Security Number, the course number(s), semester and year, semester hours of credit, and the name of the instructor.
v. The student should complete registration procedures and present the registration invoice to the department chair. (NOTE: The $10.00 per semester hour fee is assessed above and beyond any additional course-related fees paid for the term.)
vi. The instructor of record will receive a regular grade roster at the end of the term for recording the final grade.

e. **Credit for Prior Learning by Portfolio:** Students may obtain undergraduate credit for prior learning by portfolio in designated academic departments at USM. Credit will be awarded by those departments for courses from the Course Description section of this **Bulletin.** Consult with adviser to determine availability of this option in a particular department.

16. Validation of Previously Earned Credit (Nursing):

Under the following policy, and with approval of the Vice President for Academic Affairs, certain academic departments may allow a student to re-validate credit acquired through previous study in order to apply the credit to a current degree program.

a. The student must be currently enrolled or must be a former student of the University.
b. The examination must be given by the department through which the course is offered.
c. The student must make application to the chair of the department who will evaluate the previously acquired credit.
d. If approval is granted, the department chair sends a memorandum by the student to the Office of Admissions and Records giving the student permission to register for the course(s) on an arranged basis. The memorandum should include the student's name and Social Security number, the course number(s), semester and year, semester hours of credit, and the name of the instructor.

*e. The student should complete registration procedures and present the registration invoice to the department chair. (NOTE: These fees are assessed above and beyond any additional course-related fees paid for the term.)
f. The instructor of record will receive a regular grade roster at the end of the term for recording the final grade.

17. Summary of Types and Limitations of Credit Usage:

The following is a summary of the limitations placed on credit usage:

a. Sixty-four (64) semester hours through a combination of credit by examination, portfolio, independent study, and Armed Forces experiences.
b. Thirty-two (32) semester hours by independent study (including USAFI); nine (9) semester hours in any one field.
c. Thirty (30) semester hours credit by examination (including CLEP and AP) and by portfolio.
d. Eighteen (18) semester hours of pass-fail credit.
e. Twelve (12) semester hours in the same department through a combination of independent study and pass-fail.
f. Sixty-four (64) semester hours in a senior college are required for a baccalaureate degree. Of this total forty-five (45) must be in course numbers 300-level or above and thirty-two (32) must be earned at The University of Southern Mississippi.
g. The types of credit considered as senior college work are: (1) USM, Hattiesburg; (2) USM, Gulf Park; (3) USM, Jackson County; (4) USM, Jackson; (5) Independent Study; (6) USAFI*; (7) Armed Forces experiences.*
h. Types of credit not considered senior college work: (1) Junior college transfer work; (2) CLEP; (3) USAFI**; (4) Armed Forces experience.**

*If course number evaluations are 300-level or above
**If course number evaluation are below 300-level

GRADE REVIEW POLICY

The instructor (defined as one who has the responsibility for a class, special problem, or thesis) has the authority in his or her class over all matters affecting the conduct of the class, including the assignment of grades. Student performance should be evaluated according to academic criteria made available to all students within the first two weeks of each semester. Grades should not be determined in an arbitrary or capricious manner.

When a student disagrees with the final grade given by an instructor, fair play requires the opportunity for an orderly appellate procedure. The procedure assures due process for both the instructor and student. For policies and procedures governing grade review, contact the dean of the appropriate college or the Vice President for Academic Affairs.

GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation (exclude the current year's catalog in counting the six) and which carries announcements for a year during which the student earned some credit at The University of Southern Mississippi or another accredited institution of higher learning, including community/junior colleges.

2. Hour Requirements: An applicant for a degree must complete a minimum of 128 semester hours, including core requirements and major and minor requirements. Not more than nine (9) semester hours in physical education activity courses, and not more than four (4) semester hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 128 semester hours, sixty-four (64) must be earned in a senior college, and forty-five (45) of the sixty-four (64) must be in courses numbered 300 or above.

3. Grade Point Requirement: A student must earn a grade point average of at least 2.0 (an average grade of C) based on all courses undertaken at The University of Southern Mississippi. Grades in pass-fail courses do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or the Bachelor of Arts degree in professional, accredited schools of medicine, medical technology, dentistry, or law on the following conditions:

a. that (90) hours of credit and 180 quality points shall have been completed, with a minimum of two semesters and thirty (30) semester hours of residence at The University of Southern Mississippi;
b. that all core requirements for the degree shall have been completed;

c. that credit and quality points shall be transferred back to The University of Southern Mississippi from the accredited school of medicine, dentistry, medical technology, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In any case, a minimum of 128 semester hours must be completed before the degree can be awarded;
d. that the program leading to the degree shall be completed within two calendar years of the termination of the last semester of residence at The University of Southern Mississippi.

5. Residence Hour Requirements: To become eligible for a bachelor's degree at The University of Southern Mississippi, a student must:

a. earn his or her last thirty-two (32) semester hours at The University of Southern Mississippi, of which twelve (12) semester hours must be in upper-division courses in his or her major. (Special Note—to receive the Bachelor of Science in Business Administration degree from the College of Business Administration, a student must complete the senior year's work (32 semester hours) on the Hattiesburg Campus.) This policy applies to all students, including transfer students from other colleges and universities and those students at USM, Gulf Park. The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg Campus that apply to all the regular students;
b. earn at least twelve (12) semester hours of the bachelor's program on the campus from which the degree will be awarded except for the Bachelor of Science in Business Administration which requires the last thirty-two (32) semester hours on the Hattiesburg Campus;
c. earn at least twelve (12) semester hours of resident credit in the major field of study at one of the campuses of the University except for the Bachelor of Science in Business Administration which requires at least twelve (12) semester hours of senior level work in the major field on the Hattiesburg Campus;
d. recognize the limitation on Independent Study Courses: A long-standing regulation provides that students will not be permitted to do independent study while in residence. Students not attending the University during the summer session are not considered to be in residence and may enroll in independent study courses without prior approval; however, they should consult with their faculty adviser for assistance in course selections. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Vice President for Academic Affairs. If a student takes an independent study course during the last semester of attendance, he or she may not register for an independent study course after leaving the campus with the expectation of completing requirements for his or her degree.

6. University Effectiveness: The University is sometimes called upon to provide information concerning the effectiveness of its academic programs. To collect this information, the University may require students to participate in testing programs or other activities as a requirement for graduation.

7. General Education Curriculum: The purpose of the General Education Curriculum is two-fold: to give all University students a common cultural experience, and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his or her own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The General Education Curriculum, common to all degree programs, is itemized below.

GENERAL EDUCATION CURRICULUM

In 1983 the Academic Council of the University embarked on a major revision of the basic curriculum required of all undergraduate students. The result of these deliberations was the General Education Curriculum (Core), as adopted in March, 1985, and effective in the Fall Semester, 1985-86. The Curriculum is subject to annual review by the Academic Council.

Each of the schools and colleges within the University has modified the General Education Curriculum in a manner befitting its own discipline. The full range of courses listed here is not applicable to all majors. Accordingly, students should consult the appropriate sections of the **Bulletin** detailing the individual college curricula.

THE PURPOSE OF GENERAL EDUCATION

The baccalaureate degree programs of The University of Southern Mississippi have two major curricular components: the General Education requirement and the more specialized major requirement. The purpose of the specialized major requirement is to provide intellectual depth in the student's undergraduate education through study in his or her chosen field of specialization. The underlying purpose of the General Education requirement is to provide intellectual breadth in the student's undergraduate education through an informed acquaintance with the fundamental branches of learning outside the student's field of specialization. The focus of general education is on the acquisition and integration of relevant knowledge; the development of intellectual skills of learning; and the enlargement and refinement of ideas, values, and aesthetic appreciations. A concomitant purpose is thereby served for many students by enabling them to refine and clarify their notions of which major might best suit their interests and talents.

General education serves as a necessary complement to specialized study by providing balance and allowing specialization to occur within a broader intellectual context. Together with program electives and study in depth in a major field, the General Education Curriculum provides a solid and shared base of general, liberal, and humanistic education for all students.

FORMAT AND OBJECTIVES

The General Education Curriculum comprises forty-six (46) credit hours divided among five categories. Forty-three (43) of these hours are designated as follows:

Category I	12 hours
II	12
III	6
IV	11
V	2

In addition students should complete at least three (3) hours of electives from Categories I, II and/or III. These hours may come from one category or from any combination of two or more categories, but no more than three (3) hours of electives may be from any one discipline.

The objectives of each of the five categories are as follows:

I. Reasoning and Communications Skills: To develop the skills necessary to locate, examine, and process information critically; to read with understanding; to listen with attention and memory; to express ideas cogently and fluently in oral and written forms; to understand the ways in which written and spoken messages influence the attitudes and behavior of others; to think critically and to reason mathematically and logically; and to handle analytic and quantitative ideas in both abstract and specific contexts.

II. Humanities and Fine Arts: To understand and appreciate how man gives artistic and literary expression to his version of and experience with the world; to know the seminal ideas and events that have shaped the course of western and non-western civilizations; to recognize and treat with sympathetic historical understanding the major concerns of the contemporary world; and to develop the capacity to make discriminating moral and ethical judgments.

III. Social and Behavioral Sciences: To acquire some understanding of the perspectives, concepts, and analytical techniques of modern social societies, and cultures; to examine the social institutions in contemporary society—how they work and how they affect human behavior; to appreciate the physical, intellectual, emotional, social and moral development of mankind; to analyze interpersonal relationships and group processes; and to understand the methods by which we gain and apply knowledge of society to ourselves.

IV. Natural and Applied Sciences: To acquire knowledge and understanding of basic concepts, principles, theories, and interrelationships of the natural sciences; to understand mathematical and experimental methods of sciences as a way of thinking, inquiring and acting; to appreciate the complex interrelationship between science and its applications and human affairs; to recognize other forms of life with which we share the planet earth; and to acknowledge the fundamentally limited resources which the earth offers, both of materials for use and of receptacles for waste.

V. Human Wellness: To understand and apply conceptual knowledge of nutrition, health, and fitness in the development and maintenance of human wellness; and to understand the value of reducing the risk of physical and psychological disorders.

Honors courses may be substituted for University Core courses at the discretion of the academic dean of the student's program and the dean of the Honors College for those students who qualify to enroll in such courses.

Requests for exemptions and substitutions for the requirements of the General Education Curriculum should be addressed to the Vice President for Academic Affairs through the department chair and college dean.

SUMMARY OF THE GENERAL EDUCATION CURRICULUM

Category I: **Reasoning and Communications Skills** ..... 12-15 hrs.
- English Composition ..... 6 hrs.
- College Algebra (or higher level mathematics course) 3
- Communications 3
- *Electives 0-3

Category II: **Humanities and Fine Arts** ..... 12-15 hrs.
- Fine Arts ..... 3 hrs.
- World Literature 3
- World Civilization 6
- *Electives 0-3

Category III: **Social and Behavioral Sciences** ..... 6-12 hrs.
- Social and Behavioral Sciences ..... 6 hrs.
- *Electives 0-6

Category IV: **Natural and Applied Sciences** ..... 11 hrs.
- Laboratory Sciences ..... 8 hrs.
- Electives 3

Category V: **Human Wellness** ..... 2 hrs.
- Food and Nutrition ..... 1 hr.
- Health and Physical Fitness 1

TOTAL: 46 hrs.

*At least three (3) hours of electives should be chosen from Categories I, II, and/or III. Though such courses may be selected from any one category or from any combination of two or more categories, there should be no more than three (3) hours of such electives from any one discipline.

COURSES APPLICABLE TO THE GENERAL EDUCATION CURRICULUM

Category I (12-15 hrs.)

English Composition (6 hrs.)
- ENG 101 Writing One
- ENG 102 Writing Two

College Algebra (or higher level mathematics courses) (3 hrs.)
- MAT 101 College Algebra
- MAT 102 Finite Mathematics and Introduction to Calculus
- MAT 103 Plane Trigonometry
- MAT 136 Introduction to Calculus in Technology I
- MAT 167 Calculus with Analytic Geometry I
- MAT 168 Calculus with Analytic Geometry II
- MAT 169 Calculus with Analytic Geometry III
- MAT 178 Differential and Integral Calculus with Analytic Geometry I
- MAT 179 Differential and Integral Calculus with Analytic Geometry II
- MAT 312 Applied Calculus for Business and Social Sciences
- MAT 314 Calculus for the Arts and Sciences

Communication (3 hrs.)
- SCM 111 Oral Communication
- SCM 305 Interpersonal Communication
- SCM 320 Business and Professional Speaking
- SCM 330 Small Group Communication

Category I Electives (0-3 hrs.)

Computer Science
- CSS 100 Introduction to Computing
- CSS 240 Fortran Programming
- CSS 330 Introduction to Programming (PASCAL)

Foreign Language
- FRE 101 Beginning French I
- FRE 102 Beginning French II
- GER 101 Beginning German I
- GER 102 Beginning German II
- GRK 101 Beginning Greek I
- GRK 102 Beginning Greek II
- ITA 101 Beginning Italian I
- ITA 102 Beginning Italian II
- LAT 101 Beginning Latin I
- LAT 102 Beginning Latin II
- RUS 101 Beginning Russian I
- RUS 102 Beginning Russian II
- SPA 101 Beginning Spanish I
- SPA 102 Beginning Spanish II
- ARA 101 Beginning Arabic I
- ARA 102 Beginning Arabic II

Logic
- PHI 253 Introduction to Logic
- PHI 458 Symbolic Logic

Mathematics
- MAT 102 Finite Mathematics and Introduction to Calculus
- MAT 103 Plane Trigonometry
- MAT 133 Trigonometry for Technology
- MAT 167 Calculus with Analytic Geometry I
- MAT 168 Calculus with Analytic Geometry II
- MAT 169 Calculus with Analytic Geometry III
- MAT 178 Differential and Integral Calculus with Analytic Geometry I
- MAT 179 Differential and Integral Calculus with Analytic Geometry II
- MAT 236 Introduction to Calculus In Technology I
- MAT 312 Applied Calculus for Business and Social Sciences
- MAT 314 Calculus for the Arts and Sciences

Speech Communication
- SCM 111 Oral Communication
- SCM 305 Interpersonal Communication
- SCM 320 Business and Professional Speaking
- SCM 330 Small Group Communication

Category II (12-15 hrs.)

Fine Arts (3 hrs.)

Allied Arts
- AA 100 Allied Arts

Art
- ART 130 Art Appreciation

Dance
- DAN 107 Dance Appreciation

Music
- MUS 365 Enjoyment of Music

Theatre
- THE 100 Theatre Appreciation

World Literature (3 hrs.)
- ENG 203 World Literature

World Civilization (6 hrs.)
- HIS 101 World Civilization I
- HIS 102 World Civilization II

Category II Electives (0-3 hrs.)

American Studies
- AMS 304 Issues in America
- AMS 404 Issues in America

Comparative Religion
- REL 131 Comparative Religion

Foreign Language
- FRE 101 Beginning French I
- FRE 102 Beginning French II
- GER 101 Beginning German I
- GER 102 Beginning German II
- GRK 101 Beginning Greek I
- GRK 102 Beginning Greek II
- ITA 101 Beginning Italian I
- ITA 102 Beginning Italian II
- LAT 101 Beginning Latin I
- LAT 102 Beginning Latin II
- RUS 101 Beginning Russian I
- RUS 102 Beginning Russian II
- SPA 101 Beginning Spanish I
- SPA 102 Beginning Spanish II
- ARA 101 Beginning Arabic I
- ARA 102 Beginning Arabic II

History
- HIS 140 United States to 1877
- HIS 141 United States since 1877

Literature
- ENG 200 Introduction to Drama
- ENG 201 Introduction to Fiction
- ENG 202 Introduction to Poetry
- ENG 203 World Literature
- ENG 205 Introduction to Literature
- ENG 350 British Literature I
- ENG 351 British Literature II
- ENG 370 American Literature I
- ENG 371 American Literature II
- FL 331 Classical Mythology and Religion
- HUM 233 Greek Literature and Culture
- HUM 253 Roman Literature and Culture
- HUM 310 French Literature
- HUM 320 German Literature
- HUM 340 The Italian Renaissance
- HUM 370 Spanish Literature

Philosophy
- PHI 151 Introduction to Philosophy

Category III (6-12 hrs.)

Social and Behavioral Sciences (6 hrs.)

Anthropology
- ANT 101 Introduction to Anthropology
- ANT 221 Cultural Anthropology

Economics
- ECO 200 Introduction to Economics
- ECO 201 Principles of Economics I

Geography
- GHY 101 World Regional Geography
- GHY 102 Introduction to Geography
- GHY 331 Cultural Systems in the Environment
- GHY 341 World Political Geography

Political Science
- PS 101 American Government
- PS 220 Introduction to Political Science
- PS 331 Introduction to International Politics
- PS 425 American Political Theory

Psychology
- PSY 110 General Psychology
- PSY 375 Developmental Psychology

Sociology
- SOC 101 Introduction to Sociology
- SOC 240 Social Problems
- SOC 314 The Family

Category III Electives (0-6 hrs., with no more than three hours from any one discipline)

Anthropology
- ANT 101 Introduction to Anthropology
- ANT 221 Cultural Anthropology

Economics
- ECO 200 Introduction to Economics
- ECO 201 Principles of Economics I

Geography
- GHY 101 World Regional Geography
- GHY 102 Introduction to Geography
- GHY 331 Cultural Systems in the Environment
- GHY 341 World Political Geography

Health
- CHS 101 Personal Wellness

Political Science
- PS 101 American Government
- PS 220 Introduction to Political Science
- PS 331 Introduction to International Politics
- PS 425 American Political Theory

Psychology
- PSY 110 General Psychology
- PSY 375 Developmental Psychology
- FAM 151 Personal Development and Interpersonal Relations

Sociology
- SOC 101 Introduction to Sociology
- SOC 240 Social Problems
- SOC 314 The Family

Category IV (11 hrs.)

*Laboratory Science (8 hrs.)

AST	111/111L	General Astronomy
AST	112/112L	General Astronomy
BSC	103/103L	Biological Sciences
BSC	106/106L	Plants and People
BSC	107/107L	Heredity and Human Affairs
BSC	108/108L	Microbes and Human Affairs
BSC	110/110L	Principles of Biological Sciences I
BSC	111/111L	Principles of Biological Sciences II
BSC	250/250L	Human Anatomy and Physiology I
BSC	251/251L	Human Anatomy and Physiology II
BSC	281/281L	Microorganisms in Food
CHE	101/101L	General Chemistry I
CHE	102/102L	General Chemistry II
CHE	104/104L	Chemistry, Principles and Applications
CHE	251/251L	Elementary Organic Chemistry
GLY	101/101L	Physical Geology
GLY	103/103L	Historical Geology
GLY	151/151L	Introduction to Ocean Science
MAR	151/151L	Introduction to Ocean Science
PHY	103/103L	Introductory Physics
PHY	111/111L	General Physics
PHY	112/112L	General Physics
PHY	201/201L	General Physics with Calculus
PHY	202/202L	General Physics with Calculus

(Category IV: Elementary Education and Special Education Majors Only)

FS	131/131L	General Physical Science I
FS	132/132L	General Physical Science II
FS	133/133L	General Biological Science I
FS	134/134L	General Biological Science II
FS	135/135L	Earth and Environmental Science

*Category IV Electives (3 hrs.)

Natural Science

ANT	241	Introduction to Physical Anthropology
AST	111/111L	General Astronomy
AST	112/112L	General Astronomy
BSC	103/103L	Biological Sciences
BSC	106/106L	Plants and People
BSC	107/107L	Heredity and Human Affairs
BSC	108/108L	Microbes and Human Affairs
BSC	110/110L	Principles of Biological Sciences I
BSC	111/111L	Principles of Biological Sciences II
BSC	250/250L	Human Anatomy and Physiology I
BSC	251/251L	Human Anatomy and Physiology II
BSC	281/281L	Microorganisms in Foods
CHE	101/101L	General Chemistry I
CHE	102/102L	General Chemistry II
CHE	104/104L	Chemistry, Principles and Applications
CHE	251/251L	Elementary Organic Chemistry
FS	104	Physical Science I
FS	105	Physical Science II
FS	106	Biological Science I
FS	107	Biological Science II
GLY	101/101L	Physical Geology
GLY	103/103L	Historical Geology
GLY	151/151L	Introduction to Ocean Science
MAR	151/151L	Introduction to Ocean Science
PHY	103/103L	Introductory Physics
PHY	111/111L	General Physics
PHY	112/112L	General Physics
PHY	201/201L	General Physics with Calculus
PHY	202/202L	General Physics with Calculus

Applied Science or Technology

ELT	110/110L	Network Analysis I
ESC	301	Living in the Environment
FN	362	Nutrition
GHY	325	Applied Physical Geography
MET	330	Applied Thermal Science I
MET	444	Solar Heating and Cooling
PSC	191	The Polymer Industry I, II
PSC	291	The Polymer Industry III, IV
PSC	330	Structure of Materials

Mathematics

MAT	102	Finite Mathematics and Introduction to Calculus
MAT	103	Plane Trigonometry

MAT 136	Applied Calculus for Engineering Technology I	MAT 178	Differential and Integral Calculus with Analytic Geometry I
MAT 137	Applied Calculus for Engineering Technology II	MAT 179	Differential and Integral Calculus with Analytic Geometry II
MAT 167	Calculus with Analytic Geometry I	MAT 312	Applied Calculus for Business and Social Sciences
MAT 168	Calculus with Analytic Geometry II	MAT 314	Calculus for the Arts and Sciences
MAT 169	Calculus with Analytic Geometry III		

*Science requirements and electives must not overlap in course content. For example, a student cannot take both BSC 103/103L and BSC 110/110L, or both CHE 101/101L and CHE 104/104L. Similarly, electives from the FS series (104, 105, 106, and 107) must not repeat the subject matter of laboratory science taken in the core.

Category V (2 hrs.)

Food and Nutrition (1 hr.)
FN 167 Nutrition for Living

Health and Physical Fitness (1 hr.)
PED 105 Concepts in Physical Fitness

8. Exemption from the General Core Requirements: A student may be granted a personal exemption from a University core course if he or she is able to demonstrate mastery of the course material. The latter can be achieved for any core course in one of the following three ways. The student may have taken an equivalent course through the College Entrance Examinations Board's Advanced Placement Testing Program before entering USM, or may pass an appropriate CLEP examination, or a departmental challenge examination on the relevant course material. The detailed procedures and regulations regarding these three methods of obtaining up to thirty hours credit toward a degree at USM are described in Section 15 of the General Academic Regulations of the University in this **Bulletin.**

Requests for exemptions and substitutions for the requirements of the General Education Curriculum should be addressed to the Vice President for Academic Affairs.

9. Grade Point Requirement for the Major and Minor: A student must have a grade point average of at least 2.0 (a **C**) in the major field and in the minor field on courses taken at The University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at The University of Southern Mississippi. If the transferred work does not average at least a **C,** the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at The University of Southern Mississippi a sufficient number of courses on which grades of **D** were transferred and thereby raising the grades in those courses to the level required for a **C** average, or (b) striking from the transferred transcript courses in the major or minor field with grades of **D** and taking additional courses in the major or minor at the upper division level to meet the University's degree requirements.

10. Application for Degree: A student is expected to file an application for a degree one (1) semester before degree requirements are completed and an application will be accepted no later than the published deadline (see Calendar). This application filed with the Office of Admissions and Records will show the work completed by the student and the courses planned for the ensuing semester. Filing in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up deficiencies found in the degree program. After the application has been approved by the academic department, it becomes the student's official degree program. Students graduating in the Honors College must submit the Honors College Attachment to the Application for Degree.

No application for degree will be accepted until the degree fee has been paid at the Business Office. Application forms may be obtained in the college office of the dean.

11. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or highest honors. A degree with honors will be granted to a student who maintains a grade point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a grade point average of 3.8 or more. Graduation with Latin designations will be granted to students who complete the requirements for Senior Honors in the Honors College. As an alternative to Senior Honors, graduation **cum laude** will be granted to students who meet the following stipulations: (a) the satisfactory completion of a comprehensive examination in the major field, such examination to be designed and administered by the department involved; (b) the satisfactory completion of a senior project resulting in a written

report on that project meeting guidelines based on those presently in effect for senior Honors projects; (c) notice of intent to meet these requirements must be filed with the department chair/school director at least one calendar year prior to graduation; and (d) an overall grade point average of 3.25 to 3.49. Graduation **magna cum laude** will be granted to students who meet the following stipulations: (a), (b), and (c) above, and (d) an overall grade point average of 3.50-3.79. Graduation **summa cum laude** requires (a), (b), (c), and (d) an overall grade point average of 3.80 or above.

12. Second Baccalaureate Degree: Students who have earned a baccalaureate degree may be granted by The University of Southern Mississippi a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least thirty-two (32) semester hours in residence with at least sixty-four (64) quality points (equivalent to a 2.0 average on a 4.0 scale). The actual number of hours to be taken [which may exceed thirty-two (32)] as well as the specific degree requirements will be established by the academic department responsible for the area of study in which the second baccalaureate is sought. In all cases, a 2.0 grade point average is required. The thirty-two (32) semester hours must be related to a specific major separate from the first major; and the thirty-two (32) semester hours must be completed **after** the first degree requirements are met.

Students enrolled in a second degree program may be allowed to repeat a total of six (6) semester hours in order to improve the grade point average.

MINOR REQUIREMENTS

In addition to the major, students, should their programs so require, must also choose a minor (or else a second major). Students should select their minors in consultation with their advisers. The minimum hours required for a minor are eighteen (18) semester hours, with the quality point requirement as noted in paragraph 9 above. However, specified total semester hours are indicated in the curriculum description for a given minor identified in this **Bulletin**. Students who complete the Advanced Course in Military Science (ROTC) or the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor. Students pursuing teacher certification are governed by state teacher certification requirements which determine the minor (see Teaching Certification).

All departments wishing to offer a minor must have their proposal approved by the Academic Council. All approved minors must be structured and identified in the **Bulletin** and must contain a minimum of eighteen (18) hours, with no maximum. Departments may require up to nine (9) hours of courses and may recommend or exclude courses in their disciplines. Courses taken at another institution should be verified by the Office of Admissions and Records in consultation with the department offering the minor. Interdisciplinary minors should be structured and identified in the **Bulletin.** Minors are not available to students enrolled in the College of Business Administration. However, some academic areas in the CBA offer minors to non-business students.

In choosing a minor, however, the student should be guided by the following policies: (1) Advisement for the minor is conducted by the minor department; thus, students are encouraged to seek consultation with the minor department. (2) Exceptions to listed requirements must be approved by the minor department.

THE STUDENT COMMUNITY, CAMPUS LIFE, AND ACTIVITIES

DEPARTMENT OF RESIDENCE LIFE

The Department of Residence Life feels very strongly that the educational benefits for residence hall students extend far beyond the classroom experience. Every effort is made to offer on-campus students the opportunity to take part in cultural, scholastic, athletic and social programs developed by the residence hall staff. In addition, residence hall students experience cross cultural living experiences which help to promote open-mindedness, tolerance and leadership - a philosophical goal of Residence Life.

The Department of Residence Life offers fully air-conditioned residence halls which will house 3,420 students. Three of the halls incorporate dining facilities (Hillcrest for women, Elam Arms for men and Vann Hall for men on athletic scholarships). Pools are located at both Hillcrest and Elam Arms.

Rooms are arranged in suites and the more traditional fashion. Hillcrest and Mississippi for women and Elam, Vann, and Hattiesburg for men are arranged in suites with 4-6 students sharing a bath. Bolton, Hickman, Jones, Pulley, Roberts, Scott, and Wilber (Panhellenic) for women are arranged more traditionally with convenient baths on each floor. Likewise, Bond for men is a traditional building with convenient baths located on each floor.

Application for campus housing should be made prior to or at the time of application to the University. Residence hall assignments for non-freshmen are made based on date of application. Freshmen students are assigned randomly to freshmen halls. However, the application is for accommodations in the residence halls and not for a specific roommate or a specific hall. Assignments of new students to residence halls can be made only after the $50.00 deposit with an application for housing has been received by the Department of Residence Life. Priority of assignment is given to former and presently enrolled residence hall students with active deposits on file. Assignments for these students will be made at designated times at the end of each semester for the succeeding semester.

All residence hall students are required to sign a contract which encompasses **both** fall and spring semesters of an academic year. Should a student fail to return a signed contract by the designated date, the student will automatically cancel, losing the deposit and residence hall priority.

Cancellation of the contract can be made in cases of marriage, graduation, withdrawal, co-oping, student teaching, or interning. Notification of cancellation must be made in writing by the deadline as specified in departmental correspondence to receive a deposit refund. Cancellations received after the deadline will result in forfeiture of the housing deposit. Students under contract who do not cancel their housing assignment before the cancellation deadline and are enrolled at the University will be obligated to the terms and conditions of the residence hall contract.

All checks or money orders for housing deposits should be made to The University of Southern Mississippi and mailed along with the housing application to:

Department of Residence Life
Southern Station Box 5064
Hattiesburg, MS 39406

The Department of Residence Life at The University of Southern Mississippi accepts applications for housing assignments regardless of race, creed, color, or national origin. In compliance with the Civil Rights Act of 1964 and University policy, housing assignments will not be made on a segregated basis.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety-six (296) one-two-and three-bedroom unfurnished units, are available for married students, and single and married students with custody of children. Apartment priority is based on the date of application and/or occupancy.

The rent is due and payable at registration. Students obligate themselves to the full fee for one semester's rent when they move in, unless they withdraw from the University. A deposit of $75.00 is required at the time of application. Refund of rent due to withdrawal from the University is followed according to the University tuition refund schedule. Cancellation of the rental agreement must be made forty-five (45) days prior to the semester of cancellation. Notification of cancellation after the deadline obligates students to payment of rent for the following semester.

Applications and brochures may be secured at the Pine Haven Office or by writing the Department of Residence Life.

FOOD SERVICE

ALL PERSONS LIVING IN THE RESIDENCE HALLS AND FRATERNITY HOUSES ARE REQUIRED TO PURCHASE A MEAL TICKET FOR ONE OF THE CAFETERIAS ON CAMPUS; EITHER ELAM ARMS, THE COMMONS OR HILLCREST.

The Food Service Department serves well-planned, attractive meals which include a choice of two entrees, assorted vegetables, and self-service beverage and salad bars. All students are welcome at the Commons Cafeteria. Elam Arms and Hillcrest cafeterias are for residents only. Guests are allowed, but each guest must be accompanied by a resident.

The Snack Plan may be added to the 7-Day or the 5-Day Meal Plan. The Snack Plan may be used in Seymour's at Plaza Express or on weekends at the Commons as an addition to the 5-Day Meal Plan for an occasional weekend meal. The Snack Plan functions like a checking account, giving the student on a regular meal plan the ability to eat a late night snack, a complete meal or purchase a soft drink using the same ID card that is used for his or her cafeteria meal plan.

Elam Arms and Hillcrest cafeterias will be open five days weekly, Monday through Friday. All week-end meals will be served at the University Commons. Students who purchase a 5-day meal plan are welcome at the Commons on weekends, but must pay cash for their meals or use the Snack Plan.

Seymour's offers a wide variety of delicious snacks, short orders, and a selection of beverages. This a'la carte food service offers a commuter meal ticket which is available to all off-campus students.

A Commuter Meal Plan is offered to off campus students. This plan operates much like a checking account. Each time a student makes a purchase the amount of that purchase is deducted from his or her balance. The Commuter Plan may be used in the Union Coffee Shop, University Commons, at Plaza Express, Elam Arms Cafeteria and Hillcrest Cafeteria. This plan may be purchased at registration or in the Food Service Office.

MEAL TICKET EXEMPTIONS

Meal ticket exemptions are allowed only for those students with modified diets which cannot be prepared by the University Food Services and for those students with internships which conflict with cafeteria serving hours. Those students who may qualify for an exemption should make arrangements for an evaluation **PRIOR TO REGISTRATION.** However, those not arranging for an evaluation prior to registration should go to the Food Service Office in the University Commons after registering for classes. Those students who have not completed the requirements for a meal ticket exemption prior to registration will be charged for a meal ticket during the registration process. The University Commons is open continuously from 7:00 AM until 6:30 PM. Because of these hours, work-related exemptions will not be permitted.

Medical Exemptions

Those students with a medical problem requiring a modified diet who feel their needs cannot be met by the University Food Services should make arrangements to have their diet **evaluated by the registered dietitian before registration.** Documentation required for this evaluation includes a prescription signed by a physician which specifies the student's modified diet and a copy of the modified diet. The University Commons offers a special diet program for weight watchers. The line caters to weight watchers as well as to those students with medical problems which require special diets.

Academic Related Exemptions

Requirements: A student must miss a minimum of fifty percent of meals served per week. The meals missed must be due to an internship.

Documentation Required:

1. A statement, on letterhead stationery, signed by the student's adviser, giving the student's hours, on a daily basis, Monday through Friday.
2. A copy of the student's Advisement and Registration Appointment Form which shows the student's class schedule.

NO EXEMPTION WILL BE GRANTED IF ANY PART OF THE REQUIRED DOCUMENTATION IS NOT PRESENTED.

HEALTH SERVICES

While away from home, the University Clinic physicians can provide the same services available at a family doctor's office. The Clinic provides a wide range of services, including

laboratory testing, x-ray, and a pharmacy. There are two full-time physicians, two part-time physicians and a nurse practitioner who deliver medical care. The clinic is conveniently located next to the Student Services building. During the Spring and Fall semesters the Clinic is open 8:00 - 5:00 Monday through Friday. After hours care is offered to students at a discounted price from Urgent Care Center, Immediate Care Center and the Emergency Rooms at both local hospitals.

USM Health Service Center is accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO). For more information call 266-5390.

DRUG EDUCATION AND PREVENTION

The University of Southern Mississippi's Office of Drug Education and Prevention provides education and prevention programming which is designed to create a pervasive, normative expectation throughout the University community that drug-free lifestyles create a most basic foundation upon which growth and development can occur. Located at 104 N. 31st Avenue, the Office facilitates the University's compliance with Federal drug-free regulations and serves as an information and training resource for the University and the larger community.

Established in 1987, the Office houses a collection of educational materials including current periodicals, videotapes, related literature, PsycLIT Database abstracts, and listings of area and national resources. Additionally, the Office conducts research on alcohol and other drug-related issues.

Prevention professionals are available to provide prevention services including, but not limited to, lecturing/speaking, program planning, and prevention referral for groups such as student, staff, and faculty organizations, related classes, and community agencies.

For more information, call 266-4455 or write:

The Office of Drug Education and Prevention
Southern Station, Box 10031
Hattiesburg, MS 39406-0031

AUTOMOBILES ON CAMPUS

Students and employees of the University are required to register their automobiles with the Department of Public Safety. Temporary permits are issued when the automobile is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which outlines traffic and parking regulations may be secured from the Department of Public Safety. Penalties are assessed for violation of regulations and persistent violators may be denied the privilege of operating their vehicle on campus. Penalties are: violation of parking and/or decal violations $10.00 for each of the first three offenses during a school year and $20.00 each for the fourth and subsequent offenses.

All vehicle registrations expire August 20, except for bicycles. Registration fees are:

Automobiles/$20.00
Motorcycles/$4.00
Bicycles/$2.00 for length of enrollment.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; **therefore the University must reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.**

Fees and expenses are in the form of general tuition, room and board, and special fees.

GENERAL TUITION. This fee, together with the allocation from the legislative appropriation, is used for general support of the University. Athletic activities and UAC programs are not included for part-time students.

Full-time students for purposes of assessing fees are those who take nine (9) or more semester hours in Graduate School and twelve (12) or more semester hours in all other colleges during fall and spring semesters. During summer terms, seven (7) or more semester hours for Graduate School and nine (9) or more semester hours in all other colleges constitute full-time students for purposes of assessing fees. Undergraduate students enrolled for more than nineteen (19) semester hours during fall and spring semesters and for more than fourteen (14) semester hours during the summer term will be assessed the applicable fee for each additional semester hour. Graduate students enrolled for more than thirteen (13) semester hours during fall and spring semesters and for more than fourteen (14) semester hours during the summer term will be assessed the applicable fee for each additional semester hour.

Clinical and hospital services covered by the health service charge included in the general tuition fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice and at the student's expense.

ROOM AND BOARD. The room and board fees are assessed for all students living in University-controlled residence halls and those students living in fraternity houses. Board is available to all other students on an optional basis. Two meal plans are available in the Commons: seven-day, twenty-one-meal plan and a five-day, fifteen-meal plan. Lite Line is available to a student at no extra charge.

A room deposit is payable in advance for the reservation of space in the residence hall. This amount is held as a damage deposit until a student withdraws from the residence hall. Upon withdrawal, the student must make an application to the Resident Manager of the dormitory for refund. When a student reserves a room in a residence hall, he or she obligates himself or herself to pay for both fall and spring semester's room rent unless the student cancels his or her assignment in writing before the residence halls open for the fall semester. A rent refund will be made only upon withdrawal from the University.

TELEPHONE SERVICE. Telephone service in residence halls and family student housing is provided through the University telephone system. The cost of local telephone service is included as a part of housing rent. For long distance service, students may use the University's system by completing an application at the Campus Telephone Office, Hub Building, Room 104. Long distance telephone authorization and a caller identification number will then be issued. Long distance calls are billed to the student on a monthly basis. Charges must be settled prior to leaving the University (including graduation, withdrawal, and semester breaks).

POST OFFICE BOX. The post office box fee is assessed for all students living in University-controlled housing. Fees are assessed on a semester basis for Spring, Fall, and Summer. Those students living off campus may rent a post office box if they so desire.

STUDENT ID CARDS. The ID card is a PERMANENT card for each student. The Fall Semester (permanent) ID card will also be used for Spring and Summer Semesters each year by revalidation. The same card must be kept, re-validated and used even when returning from a previous year or semester. Do not destroy, lose, bend or tamper with an ID card. Only one card will be issued at no charge during a five (5) year period. A fee of $10.00 will be charged at the time a replacement card is made.

OTHER FINANCIAL INFORMATION. One-half of a student's total fees are due and payable at time of registration. Students with University loans, grants, or scholarships may use those funds as payment for the first half of total fees. Loans, grants, scholarships and checks made payable to the University must be applied to fees in full before a refund or change can be given. Fees deferred past the last day to register each term will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance.

The University reserves the right to withhold readmission of a student until all delinquent accounts have been paid. In fact, all past due accounts will be included on registration fee invoices and monthly bills. Transcripts of credits will not be issued for students whose accounts are delinquent. All fees must be paid before a degree will be awarded.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Public Safety regulations, or any other policy establishing regulations for the protection of University property, shall become collectable by the Business Office, and, if not collected, shall constitute a delinquent account.

A non-refundable registration fee of $5.00 will be assessed all students.

A fee of $50.00 will be assessed students who register during the late registration period.

Students whose checks for registration fees are returned will be assessed the late registration fee of $50.00 in addition to the $6.00 returned check handling fee. **Returned checks not promptly paid may result in dismissal from the University.**

A fee of $15.00 for operation of the University Union is included in the fees of all full-time students. A $1.00 fee is added to the general tuition fee assessment of part-time students.

A $2.00 per hour fee for use of the University Clinic by part-time students is included in the per hour fee shown below.

A fee of $3.00 for Intramural Facilities is included in the fees of all full-time students. A $1.00 fee is added to the general tuition fee assessment of part-time students.

A special building fee will be assessed each semester for the purpose of constructing a health, physical education and recreation complex (The Payne Center). These fees are shown below. The students at The University of Southern Mississippi voted April 10, 1984 in favor of this fee.

A special library fee of $5.00 is included in the fees for full-time students. A $1.00 fee is added to the first hour for part-time students with an additional $2.00 being added to the sixth hour.

Courses requiring special fees and music fees are shown in the Special Fee listing and are indicated by a plus sign in the Course Description Section of this **Bulletin.**

EXPENSES EACH UNIVERSITY SEMESTER/SESSION

(All fees are subject to change without notice.)

FIXED FEES

	FALL, SPRING SEMESTERS	SUMMER SESSION
FULL-TIME STUDENTS		
General Tuition	$1,034.00	$703.00
Building Fee—Payne Center (per student)	15.00	15.00
Registration Fee (per semester)	5.00	5.00
Housing Rent:		
Hillcrest, Elam Arms, Mississippi, Hattiesburg and Vann	630.00	420.00
Roberts, Scott, Jones, Pulley, Bolton, Wilber, Hickman and Bond	555.00	370.00
Pine Haven Apartments		
1-bedroom	753.00	502.00
2-bedroom	803.00	536.00
3-bedroom	853.00	569.00
Board:		
5-day plan	455.00	278.00
7-day plan	510.00	318.00
Other Fees When Applicable		
Non-Resident Fee (This fee is in addition to the tuition fee above.)	731.00	
**The Southerner* (Fall only)	12.00	
***Post Office Box (per semester)	10.00	
PART-TIME STUDENTS—Each semester hour		
General Tuition—graduate student	102.00	102.00
General Tuition—undergraduate student	77.00	77.00
Building Fee—Payne Center (per student):		
Graduate 6-8 hrs.	10.00	
Less than 6 hrs.	5.00	
Less than 7 hrs.		5.00
Undergraduate 9-11 hrs.	10.00	
Less than 9 hrs.	5.00	5.00
General Operations Fee for Union and Intramural Activities	2.00	
Registration Fee (per semester)	5.00	5.00
Non-resident fee (In addition to General Tuition):		
Graduate student	81.00	
Undergraduate student	61.00	

*Non-refundable. Charged the first semester attended each year to all full-time undergraduate students. Optional to all other students.

**Non-refundable. Optional to students living off campus. Assessed: $10.00 Fall, $10.00 Spring, $10.00 Summer.

General tuition, room, board, and post office, if applicable, are payable each semester/session.

SPECIAL FEES AND EXPENSES

Departmental Fees:	
ACC 300,320	$15.00 per course
ACT 123, 315, 316, 324, 326, 400, 401	15.00 per course
ADE 494, 495	7.00 per course
AST 111L, 112L	15.00 per course
BA 301	15.00 per course
BCT 205	15.00 per course
BSC all BSC laboratory courses	15.00 per course

CED 100	25.00 per course
CET 370L, 470L, 471L, 478L	15.00 per course
CHE 101L, 102L, 104L, 251L, 255L, 256L, 310L, 311L, 321L, 411L, 421L, 422L, 461L, 462L,496L	15.00 per course
CIE 480, 482	20.00 per course
CIS 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 496	20.00 per course
CSS 100, 240, 242, 320, 330, 340, 342, 350, 400, 422, 425, 426, 430, 435, 442, 460, 480, 481	15.00 per course
CSC 101L, 102L, 203L, 204L, 306L, 410L	15.00 per course
ELT 100, 110L, 111L, 210L, 211L, 230, 240, 315L, 316L, 332L, 333L, 342L, 411, 412L, 470L	15.00 per course
FIN 300	15.00 per course
FS 131L, 132L, 133L, 134L	15.00 per course
FSC 340L, 341L, 442L, 491L	15.00 per course
GHY 301L, 311L, 325L, 410L, 412L, 416L, 417L, 418L	15.00 per course
GLY all GLY laboratory courses	15.00 per course
INT 301, 302, 405, 408, 480	15.00 per course
IVE 494	20.00 per course
IVE 495	2.00 per hour
JOU 241L, 242L, 340L, 346L, 441L	20.00 per course
LS 405	15.00 per course
LS 416	7.50 per course
MAT 102, 210, 310, 312, 418, 419, 460, 461	15.00 per course
MET 201, 260, 322, 323L, 331L, 342L, 400, 420, 444L	15.00 per course
MIS 201, 202	7.50 per course
MIS 300	15.00 per course
MUP 103, 106, 113, 116, 119, 122, 125, 128, 131, 134, 137, 140, 143, 146, 149, 152, 155, 158, 163, 166, 169, 193, 303, 306, 313, 316, 319, 322, 325, 328, 331, 334, 337, 340, 343, 346, 349, 352, 355, 358, 363, 366, 369, 393	35.00 per semester hour
MTC 302L, 306L, 309L, 400L, 401, 402, 403, 405, 406, 407, 408, 409	15.00 per course
NSG 313	10.00 per course
NSG 327, 412, 413, 427, 428	5.00 per course
NSG 361, 362, 363	35.00 per course
NSG 490	30.00 per course
PED 136	10.00 per course
PED all Equestrian Education courses	50.00 per course
PHY 111L, 112L, 201L, 202L	15.00 per course
PSC 341L, 342L, 361L, 470L, 490L, 491L	15.00 per course
REC 180	15.00 per course
REC 300	65.00 per course
REC 380	40.00 per course
REF 416	7.50 per course
SCE 432, 461	15.00 per course
SCE 486	20.00 per course
SPE 481, 482, 483, 484	20.00 per course

Music Fees— Private lessons for other than full-time music majors and for music majors taking private lessons not required for the degree being pursued:

Each semester hour per instructor	35.00
Orchestral or Band Instrument rental	15.00 per semester
Locker Rental	5.00 per semester

Honors College

Fee for binding thesis	10.00 each copy

Reading Center, Individual Remedial Instructions:

Special Student (non-credit)	40.00 per semester
Complete Reading Diagnosis	50.00 with written report
Re-evaluation	5.00

Speech and Hearing Clinic Services: (no fees for full-time students)	
Speech and Language Evaluation	40.00 each
Speech and Language Therapy (Individual)	
2 fifty-minute sessions per week	312.00 per semester
3 fifty-minute sessions per week	468.00 per semester
Speech and Language Therapy (Group)	
2 fifty-minute sessions per week	156.00 per semester
3 fifty-minute sessions per week	234.00 per semester
Language Group	25.00 per month
Audiometric-Complete except for special tests	25.00 per hour
Hearing Aid Evaluation	25.00 per hour
Impedance Tests	25.00 per hour
Special Tests	25.00 per hour
Ear Mold Impressions	9.50 each
Lipreading/Auditory Training	12.00 per hour
ENG Testing	65.00 each
Examinations and Graduation:	
Challenge Examination per examination	10.00 per semester hour
Revalidation Examination	2.00 per semester hour
Special Examination	3.00 when applicable
Graduation Fee-Bachelor	40.00 with application for degree
Certificate	2.75 when applicable
Registration and Records:	
Cooperative Education Program	25.00 when applicable
Late Registration	50.00
Evaluation Fee for Foreign Students (Non-refundable)	25.00 with application
ID Replacement	10.00
Memorandum of Credits	1.00 each
Transcript of Credits	2.00 each
CONTINUING EDUCATION AND RESIDENT CENTERS	
Off-Campus Center	
Undergraduate Course	74.00 per semester hour
Graduate Course	99.00 per semester hour
Registration Fee (per student)	5.00
Resident Center—laboratory fee	6.00 per course
Resident Center—typing fee	5.00 per course
Extension Center	
Undergraduate Course	74.00 per semester hour
Graduate Course	99.00 per semester hour
Registration Fee (per student)	5.00
Independent Study Courses	43.00 per semester hour
High School Independent Study Course	50.00 per half unit

Special fees are not normally refundable. However, requests for refunds of special fees will be based on circumstances existing at the times of requests.

REFUND POLICY

(Room and board fees, tuition, out-of-state fees, student fees, book charges and special fees.)

A student who officially withdraws after enrollment may obtain a refund based on the following schedule:

Withdrawal prior to the first day of classes of any term .....100% less a $25 withdrawal fee.

Commencing with the first day that day classes meet each term:

Fall and Spring Semesters.
The first through the fifth working day .....100% less a $25 withdrawal fee.
The sixth through the fifteenth working day 75%
The sixteenth through the thirtieth working day 50%
After the thirtieth working day .....None

Q and QQ Fall and Spring Semesters.
Prior to and including the last day to register
for or add Q and QQ courses ..... 100% less a $25 withdrawal fee.
The next five working days 75%
The next ten working days. 50%
After the 50% period ..... None.

Fall, Winter, Spring and Summer Terms
The first through the fifth working day ..... 100% less a $25 withdrawal fee.
The sixth through the tenth working day 75%
The eleventh through the twentieth working day 50%
After the twentieth working day ..... None.

Q and QQ Summer Term.
Prior to and including the last day to register
for or add Q or QQ courses ..... 100% less a $25 withdrawal fee.
The next five working days 75%
The next five working days 50%
After the 50% period ..... None.

Refunds are based on the assessment and not upon the amount paid by the student. The refund schedule above applies to students who drop to an hourly load below full-time or from an overload to full-time or below.

The $5 registration fee is non-refundable.

Appeals for refunds due to extenuating circumstances may be made in writing to: Vice President for Business and Finance, Southern Station, Box 5005, Hattiesburg, MS 39406-5005.

Students who find it necessary to withdraw from the University must submit written requests to the deans of their colleges who shall initiate the Withdrawal and Refund Form. Those students who are undecided as to their majors must begin the process in the dean's office of the College of Liberal Arts where the Withdrawal and Refund Authorization Form will be initiated.

RESIDENCE STATUS

LEGAL RESIDENCE OF STUDENTS: The definitions and conditions stated here are as required by state law in the classification of students as residents or nonresidents for the assessment of fees. Requests for a review of residency classification should be submitted to the University Registrar; forms for this purpose are available from the Office of Admissions and Records.

A MINOR: The residence of a person less than twenty-one years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his or her person duly appointed by a proper court of Mississippi, in which case his or her residence becomes that of the guardian.

AN ADULT: The residence of an adult is that place where he or she is domiciled, that is, the place where he or she actually physically resides with the intention of remaining there indefinitely or of returning there permanently when temporarily absent. Adult students who are residing outside of the State of Mississippi, but whose parents have moved to this state and have become residents, must establish residence in their own right. In determining residence for tuition purposes of persons who return to Mississippi after temporary departures such as school attendance, work elsewhere, or military service, cognizance is taken for evidence showing continuity of state residence and demonstrated intent to return to the state.

REMOVAL OF PARENTS FROM MISSISSIPPI: If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a nonresident student.

TWELVE MONTHS OF RESIDENCE REQUIRED: No student may be admitted to the University as a resident of Mississippi unless his residence, as defined herein above, has been in the State of Mississippi for a continuous period of at least twelve months immediately preceding his or her admission.

A student who has lived within the state for twelve months following his or her twenty-first birthday may establish residence in his or her own right by showing that he or she is living in the state with the intention of abandoning his or her former domicile and remaining in the State of Mississippi permanently or for an indefinite length of time. Intent may be demonstrated or disproved by factors including, but not limited to, filing of Mississippi income tax returns, eligibility to vote in Mississippi, motor vehicle registration in Mississippi, possession of a Mississippi operator's license, place of employment, and self support.

RESIDENCE STATUS OF A MARRIED PERSON: A married person may claim the residence of his or her spouse.

CHILDREN OF PARENTS WHO ARE EMPLOYED BY THE UNIVERSITY: Children of parents who are members of the faculty or staff of the University may be classified as residents without regard to the residence requirement of twelve months.

MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI: Members of the armed forces on extended active duty and stationed within the State of Mississippi may be classified as residents, without regard to the residence requirement of twelve months, for the purpose of attendance at the University. Resident status of such military personnel who are not legal residents of Mississippi, as defined above under LEGAL RESIDENCE OF AN ADULT, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

CHILDREN OF MILITARY PERSONNEL: Resident status of children of members of the armed forces on extended active duty shall be that of the military parent for the purpose of attending the University during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi, excepting temporary training assignments en route from Mississippi. Resident status of minor children shall terminate upon reassignment under permanent change of station orders of their military parents for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

CERTIFICATION OF RESIDENCE OF MILITARY PERSONNEL: A military person on active duty stationed in Mississippi who wishes to avail himself or herself or his or her dependents of the provisions of the paragraph titled MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI must submit a certificate from his or her military organization showing the name of the military member, the name of the dependent, if for a dependent, the name of the organization of assignment and its address (may be in the letterhead), that the military member will be on active duty stationed in Mississippi on the date of registration at the University; that the military member is not on transfer orders; and the signature of the commanding officer, the adjutant, or the personnel officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the Registrar of the University each semester at (or within ten days prior to) registration for the provisions of the paragraph MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI, named above, to be effective.

LEGAL RESIDENCE OF A FOREIGN STUDENT: Students with permanent immigrant status or refugee status can establish residence in the state by meeting the provisions of the Mississippi Statute.

PETITIONS FOR CHANGE OF RESIDENCY: Petitions for change of residency must be made on or before the last day of late registration. Forms are available in the Office of Admissions and Records.

STUDENT FINANCIAL AID

The following information is a summary of the financial aid program. **At press time, the Federal Government was making many changes in the program.** For further information and application forms, write to:

Financial Aid Office
The University of Southern Mississippi
Southern Station, Box 5101
Hattiesburg, MS 39406-5101

Steps to Take in Obtaining Financial Aid

1. Since financial aid is awarded only to students who satisfactorily complete the requirements for admission to the University, it is necessary that **new students** have the following items on file in the Office of Admissions and Records.
   a. Admissions application (Entering Freshmen and Transfers)
   b. ACT score (Entering Freshmen only)
   c. College transcript showing previous college credit (Transfer students only)
2. Submit the American College Testing Program FAMILY FINANCIAL STATEMENT. (All students including those applying for academic scholarships should complete this statement.) Forms may be obtained from a high school guidance office or upon request from the USM Financial Aid Office.
3. Complete the Application for Student Assistance to attend The University of Southern Mississippi. The application will be considered for the following types of aid:

Pell Grants
College Work-Study
Supplemental Educational Opportunity Grants
State Student Incentive Grants
Academic Scholarships
Stafford Loans (formerly Guaranteed Student Loan)
Perkins Loans (formerly National Direct Student Loan)

APPLICATION DEADLINES

New students, currently enrolled students, graduate students, and transfers must submit the application and the ACT financial statement after **January 1.** To receive full consideration, all required information must be received by **March 15.** Late applications will be accepted and considered if funds permit.

TYPE OF FINANCIAL AID PROGRAMS AVAILABLE

The Financial Aid Office has the responsibility of administering major areas of financial assistance. These areas will be listed in three categories—loans, grants and scholarships, and student employment. Space will not permit description of each program in detail. Further information may be obtained by contacting the Financial Aid Office.

A. LOANS

1. Perkins Loan Program (formerly NDSL)

The Perkins Loan Program is for students who are enrolled fulltime in a participating post-secondary institution and who need a loan to meet their educational expenses.

Students may borrow up to a total of: (a) $4,500 if they have completed less than two years of a program leading to a bachelor's degree; (b) $9,000 if, as undergraduate students, they have already completed two years of study toward a bachelor's degree (This total includes any amount borrowed under Perkins for the first two years of study.); (c) $18,000 for graduate study (This total includes any amount borrowed under Perkins for undergraduate study).

Repayment begins six months after graduation or leaving school for other reasons. Students may be allowed up to ten (10) years to pay back the loan. During the repayment period five (5) percent interest is charged on unpaid balance of the loan principal.

No payments are required for up to three years while serving in the Armed Forces, Peace Corps, or VISTA.

There are loan cancellation provisions for borrowers who go into certain fields of teaching or specified military duty.

2. Chester P. Freeman Loan Fund

Established in 1981, this fund assists needy students to meet their tuition, fees, and book costs to attend USM. Priority for the loan will be given to second, third, and fourth years students enrolled in the School of Nursing. The loan is repayable beginning one year after graduation or leaving the University. The interest rate during repayment is three (3) percent simple interest.

3. Stafford Loan (formerly GSL)

The Stafford Loan Program enables qualified students to borrow directly from lenders in order to finance educational expenses. While the bulk of these loans are made by commercial lenders, some states and educational institutions also are lenders. The loans, insured by the Federal Government or guaranteed by a state or private nonprofit guarantee agency, are now restricted to families with demonstrated financial need.

Students must be enrolled, in good standing, and making satisfactory progress or have been accepted for enrollment at least halftime in an eligible college, university, or professional school, or an eligible vocational, technical, trade, business, or home study school.

Per academic year, a freshman or sophomore may borrow up to $2,625, a junior or senior up to $4,000. Graduate and professional students may borrow up to $7,500 per academic year. The total that may be borrowed for undergraduate or vocational study is $17,250. The total for graduate and professional students is $54,000, including any amount borrowed for undergraduate study.

Graduate students enrolled in schools of medicine, osteopathy, dentistry, veterinary medicine, optometry, podiatry, and public health may borrow up to $10,000 and pharmacy students up to $7,500. Total loans still may not exceed $54,000.

The interest rate is eight (8) percent, and the Federal Government will pay the interest until repayment of the loan begins.

The loans may be cancelled only in the event of total permanent disability or death of the student borrower, but there are no other means of loan cancellation. Payments normally begin six (6) months after graduation or when the borrower ceases to be at least a half-time student, and students may be allowed to take up to ten (10) years to repay the loan. In most cases students must pay at least $600 a year unless circumstances as agreed upon with the lending institution warrant a lesser amount. The student may defer repayment for up to three years while serving in the Armed Forces, Peace Corps, or as a full-time volunteer under the Domestic Volunteer Service Act of 1973 and for up to one year while actively seeking but not finding full-time employment. Repayment may also be deferred if the student borrower returns to school full time at an eligible institution or is pursuing a course of study in certain approved graduate study.

B. GRANTS

1. Pell Grants.

The Pell Grant Program makes funds available to eligible students attending approved colleges, community/junior colleges, vocational schools, technical institutes, hospital schools of nursing, and other post-high school institutions.

Students may apply for a Pell Grant if they are undergraduate students enrolled on at least a half-time basis in an eligible program.

Students can apply for a Pell Grant by completing one of several different forms. The USM Financial Aid Office uses the American College Testing Program to determine eligibility. The forms are available at high schools and post-high school institutions. Within six (6) weeks of submitting the form, the student will be notified as to whether or not he or she is eligible.

He or she then submits the Notification to the school which will calculate the amount of the Pell Grant he or she is eligible to receive. The amount of the award is based on the determination of eligibility and the cost of attendance at the school. The grants range from $250 to $2,400.

2. Supplemental Educational Opportunity Grants (SEOG)

The Supplemental Educational Opportunity Grant Program is for students of exceptional financial need who, without the grant, would be unable to continue their education.

Students must be enrolled full-time as undergraduate or vocational students in an educational institution participating in the program. Graduate students are not eligible.

An SEOG cannot be less than $100 or more than $4,000 a year.

3. State Student Incentive Grant (SSIG)

The State of Mississippi through a matching grant program with the Federal Government and The University of Southern Mississippi provides grants to full-time undergraduate students who are residence of the State of Mississippi. Recipients must demonstrate substantial financial need and show academic promise. Grants may range from $200 to $1,500 per academic year. Selection of recipients is made by the Financial Aid Office. Students must complete the ACT Financial Statement and the USM Financial Aid Application to be considered for this grant.

4. University Scholarships (These scholarships are subject to change without notice.) The following awards are available to entering students and continuation is subject to satisfactory progress.

a. Schillig-Baird and Presidential Scholarships: Schillig-Baird and Presidential Scholars are selected by the President of The University of Southern Mississippi. A select number of students will be invited to compete for these awards. (Scholarship recipients must enroll in the Honors College). National Merit Finalists indicating USM as their college choice and those students with ACT scores of at least 31 will be considered. The value of the award is approximately $19,000 for in-state students. **The Schillig-Baird Scholarships** are awarded from special endowments made available for Presidential Scholarships.

b. Olliphant Scholarships: Olliphant Scholarships are designated for Honors College students who demonstrate an outstanding record of leadership, a commitment of service to society, and an exemplary record of academic achievement. Olliphant Scholars will receive a stipend of $3,000, to be awarded over the first two years at USM.

c. Honors Scholars: Awards of Honors College Scholarships are competitive and are based on an excellent record of achievement on the ACT (or SAT) and in high school classes, with attention to Honors, AP, and other rigorous courses completed; high school and community activities; honors and achievements; counselor and teacher recommendations; and an essay. Honors scholarships are in the amount of $200 per semester for up to $1,600 for students completing both General and Senior Honors. Recipients shall enter the Honors College. Applications may be obtained by writing Honors College, Southern Station, Box 5162, Hattiesburg, MS 39406-5162.

d. **Valedictorian/STAR Student Scholarships:** Valedictorians or STAR students from a public or private school may be awarded $300. The recipient must be designated as the valedictorian or STAR student of the graduating class and must enroll at USM during the fall semester immediately following his or her high school graduation. The scholarship will be paid fall semester of the freshman year only. Applications may be obtained by writing the Director of Recruitment, Box 5166, Southern Station, Hattiesburg, MS 39406-5166.

e. **Academic Excellence Awards:** First time entering freshmen who are National Merit Semi-Finalists or who have an ACT composite score of 31 or above and a high school GPA of 90 or above are eligible for an $8,000 award payable at the rate of $2,000 per year. First time entering freshmen who are National Achievement Semi-Finalists or who have an ACT composite score of 29-30 and a high school GPA of 90 or above are eligible for a $5,000 award, payable at the rate of $1,250 per year. Students with an ACT composite score of 28 and a high school grade point average of 90 or above are eligible for a $4,000 award payable at the rate of $1,000 per year. A student is eligible to receive this scholarship during only the fall and spring semesters for four consecutive years. Out of state tuition will also be waived. He or she must be a full-time student (minimum of twelve (12) credit hours) and maintain a GPA of 3.0 to continue receiving the award.

f. **Afro-American/Black Student:** First time entering black freshmen who have an ACT composite score of 25, 26 or 27 and a high school grade point average of 90 or above are eligible for a one time award of $2,000 payable at the rate of $1,000 per semester.

g. **USM Sponsored Merit Awards:** The University will recommend that National Merit Finalists indicating USM as their college choice be awarded these scholarships. Merit Awards are equivalent to $2,000 over a four year period.

h. **Leadership Scholarships:** Recipients are selected based on achievements both in and outside the classroom. Awards may vary from $500 to $2,000 as one time awards and are available to entering freshmen.

i. **Community/Junior College Scholar Awards:** Mississippi Community/Junior College students nominated by their respective institutions will be invited to compete for four (4) $3,400 awards.

j. **Community/Junior College Presidential Award:** Scholarships of $1,000 are awarded at the discretion of the Community/Junior College President (within Mississippi).

k. **Community/Junior College Transfer Achievement Awards:** Community/junior college transfer students who have a 3.75 GPA or above on at least 54 semester hours of community/junior college work are eligible for a $1,600 award, payable at the rate of $800 per year. Community/junior college transfer students with a GPA of 3.5 to 3.74 on at least 54 semester hours of community/junior college work are eligible to receive an $800 award, payable at the rate of $400 per year.

Information concerning these scholarships and scholarship applications may be obtained from the Office of Recruitment, Southern Station Box 5166, Hattiesburg, MS 39406.

5. **Upperclass General Academic Scholarships:** Scholarships are available each year to upperclass students based upon general academic achievement, leadership, major field of study, financial need, and other stipulations which may be imposed by the donor. Applications must be made each academic year for these scholarships. The value of these awards ranges from $100 to $1,400 per academic year. Applications may be obtained by writing the Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, MS 39406-5101.
6. **Phi Theta Kappa Scholarships:** Members of Phi Theta Kappa with 54 junior college hours may be awarded a $300 scholarship. This scholarship may be in addition to the Community/Junior College Achievement Award. The recipient will receive the entire scholarship the first fall semester at USM. Applications may be obtained by writing the Director of Recruitment, Southern Station, Box 5166, Hattiesburg, MS 39406-5166.
7. **Alumni Scholarships:** Scholarships representing payment of non-resident fees only may be available to non-residents of the State of Mississippi. Award is contingent on a parent being an active contributing alumni member and the student's achieving an ACT composite score of at least 20. Continuation is subject to the student maintaining at least a current GPA of 2.5 or better. Apply to: Alumni Association, Box 5013, Southern Station, Hattiesburg, MS 39406-5013.
8. **Regional Scholarships:** A limited number of awards are available to non-residents of the State of Mississippi. This scholarship represents a waiver of non-resident fees only. These awards are based upon ACT scores. Applications may be obtained by writing; Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, MS 39406-5101. **March 15th** is the priority date for applications.

9. **Service Scholarships:** These scholarships are available in art, athletics, dance, music, theatre etc. Service scholarships are based upon skill and performance in such endeavors as music and athletic ability. Applications can be obtained by writing: Dean, College of The Arts, Southern Station, Box 5031, 39406-5031; for Athletic scholarships write Athletic Director, Southern Station, Box 5017, Hattiesburg, MS 39406-5017.

C. STUDENT EMPLOYMENT

1. **College Work-Study Program**
   The College Work-Study Program is authorized under Title IV of the Higher Education Act of 1965. The primary purpose of the College Work-Study program is to stimulate and promote part-time employment for students. The program is designed for those students who are in need of earnings to pursue their course of study at USM. Primary consideration is given to students with the greatest financial need.
2. **Student Employment On Campus**
   The University employs students who are not eligible to receive the federal financial aid programs. Applications are accepted year-round and are considered as student employment vacancies occur. Student workers may qualify for a higher rate of pay by completing a Family Financial Statement with the USM Financial Aid Office. Contact the Student Employment Office, McLemore Hall, for applications and additional information.
3. **Student Employment Off Campus**
   Employment positions are available to many students in Hattiesburg and the surrounding community. The Office of Student Employment collects applications for work off campus. Referrals are made as requests are received from off-campus agencies.

FINANCIAL AID POLICIES

1. In determining need, the Financial Aid Office will use the financial need analysis document of the American College Testing Program. The applicant's need for financial assistance must be established by filing the appropriate applications for financial assistance. Students must also complete the financial statement in order to be considered when applying for need-based awards.

2. Financial aid is awarded on an academic year basis (September to August). Applicants must file an application and a financial statement each academic year to continue any type of financial assistance.

3. In awarding financial aid funds, primary consideration is given to an applicant's demonstrated financial need. Consideration is also given to evidence of an applicant's potential to achieve or maintain normal academic progress at USM.

4. Any financial aid commitment involving the use of federal funds is tentative and conditional upon subsequent Congressional appropriation and actual receipt of the funds by the University of Southern Mississippi.

5. The Financial Aid Office reserves the right on behalf of the University to review and cancel an award at any time because of changes in the student's financial or academic status, changes of curriculum, the student's failure to register for the draft, or the student's involvement in student unrest as defined by Public Laws 91-204, 91-557, 90-575, Sections 407, 411, and 504 (a).

6. During the award year an applicant who is placed on academic probation may retain his or her financial aid award (except selected scholarship aid) as long as he or she is not academically dismissed or fails to pass at least 6 academic hours each term. If a student is suspended from the University for academic reasons, he or she is ineligible to receive aid the first term he or she returns.

7. The applicant's personal and leadership qualities will be evaluated. A student dismissed from the University for disciplinary reasons shall have his or her financial aid terminated immediately and for an indefinite period. The student may appeal to the Financial Aid Committee to reinstate his or her financial aid after the first term he or she returns to the University.

8. In awarding financial aid, priority will be given to applicants who apply before the **March 15th** priority date.

9. Priority will be given all student applicants for financial aid accepted for admission or enrolled as full-time students (minimum of twelve (12) semester hours for undergraduates and nine (9) semester hours for graduate students). If a student drops below the minimum number of hours to be classified as a full-time student, he or she is required to report any change to the Financial Aid Office. The Financial Aid Office may require that he or she repay a portion of the aid he or she has received for that term. Failure to do so could result in the cancellation of his or her financial aid program.

10. Several scholarship programs require the applicant to maintain a specified grade point average. The scholarship recipient will be notified of the approved grade point average that must be maintained at the time the award is made.

11. Students who withdraw during a semester must notify the Financial Aid Office. Students who withdraw before completing a semester may be expected to repay the entire award at the time of withdrawal or their aid for succeeding terms may be cancelled. If the student is entitled to a refund, the refund shall first be credited to the student aid account from which the student received assistance.

12. The Perkins Loan and the Freeman Loan Programs require repayment; therefore, each student borrower must schedule a terminal interview with the University Manager of Business Services prior to withdrawal or graduation.

13. Normally the financial aid award will be disbursed in equal payments at the time of registration. The applicant receiving an employment award will receive wages bi-weekly.

14. The University reserves the right to release to the United States Office of Education, state agencies, scholarship donors, and University scholarship selection committees any address, grade point average, and financial need.

15. The University reserves the right to release all public announcements, concerning scholarship winners; however, the amount of the stipend will be kept confidential.

FINANCIAL AID RETENTION POLICIES

SATISFACTORY PROGRESS POLICY

Qualitative Measure The Financial Aid Office strictly adheres to the academic standards as presently established by The University of Southern Mississippi and printed in the current University **Bulletin.**

Total Hours Attempted (Including Transfer Credit)	Minimum Cumulative GPA Required (USM work only)
0-26	1.50
25-53	1.75
54 and above	2.00

If a student does not attain the minimum grade point average on the scale, she or he is placed on financial aid probation at the end of the academic semester of term*. Financial aid probation shall be granted for a maximum of two terms. Should the student fail to attain the minimum acceptable grade point average as shown above for total hours attempted for a third semester or term, she or he will be placed on financial aid suspension.

A student placed on financial aid suspension is ineligible for any federally funded financial aid programs until she or he returns his or her grade point average to the minimum required level.

Any student who earns a 0.00 grade point average on twelve (12) or more hours any semester, or eight (8) or more hours any term, will be automatically suspended from financial aid regardless of overall grade point average.

Quantitative Measure Students must complete their degree requirements within a normal time frame.

Undergraduate An undergraduate student shall be deemed in good standing and eligible to receive Title IV financial aid until she or he has attempted 133% of the number of hours required to complete degree requirements. For example, a program of study requiring 128 semester hours to complete would have a financial aid eligibility ceiling of 170 hours.

Graduate Graduate students shall be deemed in good standing and eligible to receive Title IV financial assistance until they have attempted twice the number of hours necessary to complete their program of study leading to a master's or doctoral degree.

Second Degree Undergraduate Students seeking a second undergraduate degree will be permitted to enroll in up to 206 undergraduate hours in order to complete degree requirements.

Incremental Measure Students receiving financial aid must make incremental progress toward a degree each semester they enroll.

Undergraduate At the end of each semester for which aid is received, undergraduate students taking six (6) or more hours must pass a minimum of six (6) semester hours. Undergraduate students enrolled during a summer term must pass at least four (4) semester hours.

Graduate

Graduate students taking nine (9) or more hours must pass a minimum of six (6) semester hours. Graduate students enrolled as half-time students (five (5) or more hours) must pass at least three (3) hours. Graduate students enrolled during a summer term must pass at least three (3) semester hours.

Passing grades include A, B, C, D, E, and P. Grades of I, F, Audit, X and W will not be accepted as passing grades. The hours a student is enrolled in at the time of payment of student aid will determine the student's enrollment status. Students failing to meet the incremental standard will have their financial aid suspended until they have removed the deficiency by enrolling full-time at their own expense and satisfactorily completing the hours.

Full-Time Status

Students receiving Perkins Loan, College Work-Study, Supplemental Grant, and State Grant funds as full-time students are expected to maintain full-time status. Students failing to remain full-time shall be granted probation for up to two terms. Students failing to remain full-time a third semester or term shall have their financial aid suspended and shall be ineligible to receive additional funds from the programs mentioned above until they enroll full-time at their own expense and complete all courses attempted.

ADDITIONAL POLICIES

Transfer Students

Students transferring into the University shall be assumed to be maintaining satisfactory progress. Hours transferred from prior schools will be considered in establishing the class standing for grade requirements, as well as being considered in determining the maximum number of hours allowed to received financial aid.

Remedial Courses

A limit of six (6) hours of remedial course work will be allowed for determining enrollment status. Students enrolling in remedial classes beyond the six-hour limit will not be able to have those additional hours count for determination of enrollment status.

Audit Courses

Courses taken for Audit do not court for credit or graduation, and therefore are not counted in determining eligibility for receiving or maintaining financial aid.

Repeats

A limit of six (6) courses or a total of eighteen (18) semester hours will be permitted as repeats without affecting the total hours attempted.

Incompletes

Incomplete "I" grades will not count as successful completion of the course until the "I" grade is removed. An "I" will be treated as a "F" if not removed within one semester.

Withdrawals

Students withdrawing from classes while receiving financial aid may be required to return any refund to the financial aid programs from which funds were received. Additionally, students may be required to repay a portion of the financial aid received as a cash payment.

Co-op Education

Students are not considered as enrolled for credit hours the terms they are employed and are therefore ineligible to receive financial assistance. Co-op students are, however, considered enrolled for purposes of deferring prior loans during periods of co-op.

Appeals

Students who have their aid suspended for any of the reasons outlined may appeal that suspension if they feel there are mitigating circumstances (i.e., medical difficulties, death of a family member, etc.). Students should request a Financial Aid Appeal Form from the Financial Aid Office and submit it along with all supporting documentation to:

Financial Aid Office
The University of Southern Mississippi
Southern Station Box 5101
Hattiesburg, MS 39406

Appeals will be evaluated by the Financial Aid Office. Appeals denied by the Financial Aid staff may be referred to the Financial Aid Committee at the request of the student.

REFUNDS

Students receiving financial aid must return a portion of any funds refunded to the financial aid programs from which aid was received. The method of returning funds to financial aid programs shall be calculated using the federal financial aid refund formula and the University Refund Policy.

REPAYMENT

Definition When students receive cash above their direct educational expenses (tuition, fees, books, University board and room), they are expected to use those funds to meet non-institutional educational costs. Should a student withdraw during the University refund period, the student must return that portion of any cash disbursement that could not have reasonably been used to meet educational expenses. The portion that must be returned is a repayment.

Repayment Policy The University Repayment Policy coincides with the University Refund Policy.

STAFFORD LOAN DISBURSEMENT POLICIES

In an attempt to assure the United States Federal Government and other guaranteeing agencies, the U.S. Commissioner of Education, lending agencies, The University of Southern Mississippi and student borrowers that Stafford Loan proceeds are utilized for the purpose intended, checks representing the proceeds of these loans and naming The University of Southern Mississippi as a "joint endorser" shall be handled in the following manner:

A. Stafford Loan Program

1. Upon endorsement by the student payee and The University of Southern Mississippi, the funds will be deposited in the "student depository" and disbursed to the student by the University Business Office in equal amounts proportionate to the loan period represented by the check.
2. Of the funds for one semester or term, loan proceeds will first be applied to the student's fees payable to the University, including tuition, room and board, Pine Haven rent, and any and all other current fees and/or past due fees. When the loan proceeds for a current term exceed current and past due fees, the balance shall be paid directly to the student.

B. State Agencies and Other Guarantee Agencies

Upon endorsement by the student payee and The University of Southern Mississippi, the University shall first deduct any and all current and past due fees. Next, and at the time the check is transacted, the student shall be required to deposit with the University an amount which will pay the student's educational expenses for and during the remaining loan period represented by the check. Educational expenses for the remaining period will be considered to be under the same circumstances as at the time the check is transacted. When the loan proceeds exceed these educational costs, the balance shall be paid directly to the student.

Any funds remaining on deposit due to the student's withdrawal from the University or failure to reenroll during the loan period, or funds reimbursable due to the student's withdrawal during a term, will be returned to the lender from which the student loan was obtained.

ROTC SCHOLARSHIP PROGRAM

See the Military Science and Aerospace Studies sections of this **Bulletin** for information on two-year, three-year, and four-year ROTC scholarships.

MARINE OFFICER PROGRAMS

Qualified students may apply for an officer program leading to a commission as a Second Lieutenant in the United States Marine Corps. Commissions are offered in both ground and aviation components. The Platoon Leaders Course (PLC) is offered to freshmen, sophomores, and juniors who attend precommissioning training during the summer. Financial assistance and Flight Indoctrination Programs are available. Qualified seniors attend twelve weeks of training in the Officer Candidate Course (OCC) after graduation. For details, contact the Placement Officer or the Marine Officer Selection Officer when he is on campus.

UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a non-profit organization that functions as the depository and fiduciary of private gifts to The University of Southern Mississippi. The University of Southern Mississippi Development Office is charged with the responsibility of raising necessary funds to support the academic programs. Additionally the Development Office is responsible for the administration of the Foundation. Overall guidance

and policies for the Foundation are determined by a Board of Directors composed of alumni and friends of the University.

Programs designed to raise funds for the academic programs include:

Annual Fund
Honor Clubs
Planned Gifts
Corporate and Foundation Support

These programs encourage support, in the form of private donations, for the academic programs.

The primary role of the Foundation is to support the University in its role of teaching, research and service. The assistance takes many forms including scholarships, library support, professorships, faculty chairs, equipment, etc.

Scholarships receive the largest share of annual expenditures. They are awarded according to the guidelines agreed upon by both the donor and the Foundation. While the Foundation receives and manages the funds, the awarding of scholarships is made by the University Scholarship Committee in cooperation with the Financial Aid Office.

SCHOLARSHIPS PROVIDED BY THE FOUNDATION THE UNIVERSITY OF SOUTHERN MISSISSIPPI

LAWRENCE ALBERS: (E) To a senior whose emphasis is film, 3.0 GPA in RTF courses.

KATHERINE KYZAR ALFORD NURSING: (E) Awarded to a deserving senior level Nursing student with preference given to those from Walthall County.

ANN HUBBARD ALLEN: (A) To a worthy and needy student junior or senior, majoring in History. Chair recommendation.

ALUMNI: (A) Special scholarships for chapters and others undesignated.

ALUMNI PUBLICATIONS EDITOR ASSISTANTSHIP: (A) To provide scholarship assistance for a student to work with the Alumni Publications Editor.

AMERICAN LEGION POST 139, CLEMENT R. BONTEMPS, RICHARD H. THAMES MEMORIAL: (E) Award to a worthy undergraduate student, must maintain a "C" or better average, children of members of this Post, who reside in Hancock County will be given preference.

AMERICAN TUNG GROWERS LOAN FUND: (O) Provides rotating loans for junior, senior, and graduate students majoring in Polymer Science.

MARK C. APPLEWHITE NURSING FUND: (E) Award of one or more scholarships to native Mississippian(s) majoring in Nursing on the basis of scholarship, leadership, character and need, with preference to those nursing students primarily interested in emergency nursing.

MARK C. APPLEWHITE NUTRITION FUND: (E) Award of one or more scholarships to native Mississippian(s) pursuing graduate studies in Nutrition on the basis of scholarship, leadership, character and need.

OLIVER AUSTIN: To a deserving undergraduate physical science major.

ERNEST LEE BACKSTROM MEMORIAL: (E) Award to capable and deserving student with financial need.

NANCY BAKER: (E) Award to graduate student in Social Work upon recommendation of that area.

BANK OF HATTIESBURG: (A) To a capable and deserving student.

BANK OF MISSISSIPPI: (A) These should be presented with the best interest of the University in mind with preference given to surrounding area students and based on economic need.

CARRIE NORTON HERRING BENNETT: (E) To provide a native Mississippian (graduate student) in Home Economics with a fellowship. Recipient must repay at least 50% within two years of graduation or last attendance.

R. G. BIGELOW: (E) Awarded to an outstanding student, graduate or undergraduate, who has a 3.0 GPA and plans to enter the teaching profession.

JUDGE R. J. BISHOP MEMORIAL MISSISSIPPIAN AWARD: (E) A select committee will choose a graduating student who has worked and overcome challenges and hardships to secure an education.

S. H. BLAIR: (E) Graduate of Hattiesburg public schools who needs financial assistance, enrolled in the area of School Administration or Physical Education, showing a preference to enter the coaching field; shall not be awarded to a scholarship athlete.

ANNELLE BONNER: (E) Scholarship awarded to junior or senior majoring in business teacher education. Must meet academic and citizenship requirements.

BPO ELKS NO. 599: (E) To provide a scholarship to be selected by B.P.O.E. #599 to a student from Forrest, Jones, Perry, Lamar, Covington, or Marion Counties.

SAMUAL R. BRADLEY: (E) Worthy and deserving undergraduate or graduate student, based on need.

W. AGNEW BRADLEY: (E) Capable and deserving students from Wayne County in Mississippi or Choctaw and Washington counties in Alabama.

ALFRED AND DORIS BREELAND: (E) Awarded to a junior or senior student in the College of Business Administration with preference given to accounting majors.

KATHERINE BROWN: (E) Active military personnel or dependents of former bootstrappers, dependents of military personnel, others eligible.

BUDWEISER/ALCOHOL AWARENESS: (O) Awarded to an upper level student who has contributed time and energy to the success of Alcohol Awareness Week and other activities pertaining to prevention and education in the area of alcohol abuse.

BUDWEISER/SOUTHERN BEVERAGE ANNUAL TEXTBOOK: (A) Provides funds to a student to assist in the purchase of his or her textbooks.

ZED HOUSTON BURNS AWARD: (O) Awarded on Awards Day to an outstanding student in Psychology.

FRANK A. CAIN MEMORIAL: (A) To aid deserving student in the attainment of his or her education.

PEARL CAMPBELL: (E) Needy and deserving first year undergraduate student who plans to major in the field of Home Economics.

BEN M. CARMICHAEL: (E) Awarded to capable and deserving student in the College of The Arts.

JAMES A. AND PATSY CAUSEY: (E) Student in Nursing with preference to graduate students in gerontology.

BOBBY CHAIN: (E) Awarded to native Mississippian, minimum ACT 18, majoring in Technology, accredited by ABET, has 24 hours completed, GPA of at least a 2.75 and demonstrates financial need.

CHEMISTRY AND BIOCHEMISTRY: (A) Recommendation of that Department.

CHEVRON USA, INC.: (A) Junior or senior majoring in Journalism with certain economic courses. Recommendation of Journalism Department.

CHINA FRIENDS FELLOWSHIP IN ENGLISH: (A) Intended to provide assistance to a qualified student from the People's Republic of China to undertake graduate study in English with the intention to return to China and teach or work in the area for which the study was designed.

CITIZENS BANK OF COLUMBIA: (A) Deserving Marion County student.

RICHARD H. CLARK, JR.: (E) Student in Business Administration. Department recommendation.

R. H. CLEGG: (E) To provide scholarship support for student athletes on the tennis team.

JIM CLINTON DANCE AWARD: (E) Awarded to an outstanding Dance student on Awards Day.

COLLEGE OF THE ARTS ENDOWED: (E) Awarded by the College of The Arts (Music, Art, Theatre, Dance).

KENT COLLINS: (E) Awarded to a student athlete.

W. M. COLMER: (E) Students in the American Studies area.

COMPUTER SCIENCE: (A) Student in that area. Recommendation of that Department.

ROBERT C. COOK, JR.: (E) To a student majoring in Journalism, GPA of 3.5, and based on need.

BETTY DUKES CRAFT: (E) Outstanding junior majoring in Home Economics. Committee composed of Home Economics faculty, students, and alumni will make recommendation.

CRIMINAL JUSTICE: (A) Recommendation of that department.

C. L. DEWS, JR.: (E) To provide scholarship support for student athletes.

HORACE B. DICKERSON: (E) Graduate student seeking a degree in Guidance and Counseling or a related field. Funds to be repaid at 6% interest after leaving school.

DOW CHEMICAL CO.: (A) Chemistry, plastics technology.

ETOILE DUBARD: (E) Senior or graduate student in Speech and Hearing Sciences upon recommendation of the School for Children with Language Disorders and approved by the Director.

EXXON ACCOUNTING: (E) Awarded annually by the Kenamond Scholarship Committee to the Accounting major selected by the committee.

WILEY FAIRCHILD: (E) Student in financial need, preferably a construction major.

KATHRYN WILLIAMS FARMER: (E) Capable and deserving student who needs financial assistance.

S. L. AND MARGUERITE FAYARD: (E) Student must be a resident of Biloxi or d'Iberville, Mississippi and enrolled in the College of Education and Psychology. Awarded based on academic potential and need and plans for a career in a service oriented profession.

FIRST FEDERAL SAVING AND LOAN OF COLUMBIA, HONORING MARVIN POLK: (A) Capable and deserving Marion County student who has financial need, 18 or better on the ACT and a 2.0 in high school, may renew by maintaining a 2.5 GPA.

FIRST FEDERAL SAVINGS AND LOAN, PASCAGOULA—MOSS POINT: (A) Jackson County student.

LUTHER AND MYRTIS FLURRY ENDOWED: (E) Awarded to a full time student enrolled in the College of Education and Psychology with preference given to those who plan to teach in rural schools in the State of Mississippi.

HUGIE LEE FOOTE: (E) Worthy student in Foreign Language upon recommendation of that area.

KATHERINE SELBY FOOTE: (E) To a student in the College of Education and Psychology, majoring in Math Education or who has worked or is working as a teaching assistant.

L. Y. FOOTE: (E) Best interest of the University with preference given to students in the surrounding Hattiesburg area, with economic need to be a factor.

BERTHA M. FRITZSCHE: (E) Outstanding graduate student in Home Economics upon the recommendation of the graduate faculty in that area.

KAREN PRESTON GARNER: (E) Awards will be made annually to females, junior or senior, majoring in Biology, GPA of 3.0, of sound moral character, resident of Mississippi, involved in school activities. Special consideration will be given to students having musical talent.

GEOLOGY: (A) Recommendation from that Department.

GEORGE COUNTY ALUMNI CHAPTER: (A) Capable and deserving students from that area. Chapter to make recommendation.

DON GEORGE FUND IN SPEECH COMMUNICATION: (E) Graduate student in Speech Communication upon recommendation of the chair of the department.

GOLDEN EAGLE: (A) Scholarship assistance to be given to students who care for Nugget.

AUSTIN EDWARD AND MAUDE M. GORDON: (E) Capable and deserving students in Nursing.

ATLEY GRAHAM MEMORIAL: (E) Capable and deserving student enrolled in the College of Business Administration with an emphasis in economics. Student must have completed a minimum of 60 hours and is to be selected by a committee from the College of Business Administration.

B. J. GRANTHAM: (E) To educate future Biologist at USM.

GREATER HATTIESBURG HOMEBUILDERS AUXILIARY: (A) To students in the USM Homebuilders Association based on need, GPA, and class. Selection to be made by the faculty of Construction Technology.

OLETA TAYLOR GREEN: (E) Capable and deserving student, junior or senior in School of Nursing.

REED GREEN: (E) Administration and Coaching major, recommendation from that area.

KYLE GREER MEMORIAL: (E) Students who are selected to assist with the football program on a nonscholarship basis and plan to coach. Upon recommendation of the coaching staff with preference to Simpson County students.

ALTON GRIMES MATHEMATICS: (E) Awarded to a student pursuing a course of study requiring 18 semester hours of math beginning with calculus. Recipient should be a Mississippi student, and a person with high moral character and values.

KATHERINE L. GUICE: (E) Capable and deserving student in the School of Social Work.

GULF COAST ALUMNI CHAPTER: (A) To a student from the Mississippi Gulf Coast area, Harrison and Hancock Counties.

GULF POWER FOUNDATION: (A) Scholarship for a deserving Northwest Florida student.

LESTER HADDOX: (E) Award to a capable and deserving student from Marion County who has economic need, good character, and a stated goal in life.

DR. SARA AND CLIFFORD HAGENSON: (E) Student in Early Childhood Education upon the recommendation of that Department.

GEORGE ROBERT HALL: (E) The staff of the Aerospace Studies Department will select the recipient from students who are Professional Officer Corps Air Force ROTC Cadets in good standing, members of the Arnold Air Society in good standing and not receiving other scholarship assistance. Prior Hall Scholarship recipients remain eligible.

ALTRA HOWSE HAMMAN: (E) Full-time graduate student majoring in Family Life or Child Development, who has completed one semester of graduate work with a GPA of 3.75 with no grades below a "B", high moral character, and native born citizen of the United States, not necessarily Mississippi.

HANCOCK BANK: (A) Junior or senior residing in Hancock, Harrison, Jackson, or Pearl River Counties majoring in Business Administration.

HATTIE LOTT HARDY: (E) Native Mississippian, preferably from Hattiesburg, for scholastic excellence.

ELIZABETH C. HARKINS: (E) Selection to be made by the Director of the School of Nursing and a committee.

W. B. HARLAN: (E) Award to a young man of character and intelligence in need of a scholarship and majoring in Business Administration.

FRANCES K. HARRELL: (E) Awarded to juniors or seniors who plan to teach.

GILBERT HARTWIG: (E) To provide a scholarship to a capable and deserving Theatre student.

HATTIESBURG BOARD OF REALTORS: (A) Real Estate majors with preference to residents of Forrest, Marion, Covington, Perry, Stone, or Lamar County.

HATTIESBURG COCA-COLA BOTTLING COMPANY: (E) To provide scholarship support for student athletes.

HATTIESBURG PHYSICIANS MEDICAL TECHNOLOGY ENDOWED SCHOLARSHIP: (E) To provide scholarships to students majoring in Medical Technology from the Hattiesburg Area.

HATTIESBURG PHYSICIANS NURSING ENDOWED SCHOLARSHIP: (E) To provide scholarships to students majoring in Nursing from the Hattiesburg Area.

HATTIESBURG ROTARY CLUB, GROVER ANDERSON: (E) Capable and deserving Forrest or Lamar County student. Preference given to children or grandchildren of members of this club, must maintain GPA of 2.75.

LOUISE M. HAWKINS ENDOWED: (E) Provides annual scholarship assistance to capable and deserving students pursuing a degree in either the fields of Education or Nursing. In determining recipients, academic achievements shall be considered. Dean of Education and Psychology and Director of Nursing to make recommendations.

HERCULES INCORPORATED: (A) Financially needy students in the College of Science and Technology beyond the sophomore year with the advice of the Dean. At least one to be awarded to a member of a minority race.

CHARLES AND MARTY HERRIN: (E) To a student in the College of Business Administration, based on need.

J. D. AND RHODA HERRING: (E) Capable and deserving Walthall County student with good academic record upon recommendation of Walthall County Alumni Chapter.

FERN R. HESSON: (A) Worthy undergraduate student in the field of Food Services, Nutrition, and Dietetics.

ALMA HICKMAN: (E) Capable and deserving student majoring in Education.

SONDRA HOLMAN: (E) Capable and deserving student with financial need.

MARTHA ANN MARKLINE HOPKINS: (A) To an entering transfer student from Co-Lin Community College. Special committee to make the recommendation.

HOTEL AND RESTAURANT ADVISORY BOARD: (A) Students in area upon recommendation of that area.

KRANDALL HOWELL: (E) To a student from the McComb, Summit, and Magnolia area, studying in Business Administration, must be a member of the Student Alumni Association, and not receiving any other academic scholarship.

FOOD SERVICE MANAGEMENT: (A) Recommendation from that area.

JACKSON COUNTY ALUMNI CHAPTER: (E) Capable and deserving student from that area.

JACKSON RAPID DELIVERY SERVICE: (E) Capable and deserving student from the Jackson area, majoring in Accounting.

JOAN JOHNSON WRITING AWARD: (A) To provide an award to graduate students submitting their best work. Center for Writers makes the decision.

JONES COUNTY ALUMNI CHAPTER: (A) To a student from the Jones County area. Chapter to make the selection.

JOURNALISM: (A) Capable and deserving student in the area of Journalism.

MAURICE H. JOSEPH REAL ESTATE: (E) Student in Real Estate upon recommendation of that area, who has financial need.

JUNIOR PANHELLENIC: (A) Capable and deserving girls upon the recommendation of the Panhellenic Council.

SANDRA ROSE KEITH: (E) Awarded to a capable and deserving student who is a member of the USM Swimming Team upon recommendation of the Athletic Director.

FRED D. KENAMOND ACCOUNTING: (E) Student majoring in Accounting upon recommendation of committee.

MOLLINE MAYFIELD KEYES MEMORIAL SCHOLARSHIP: (E) To a graduate student in Library Science with a 3.5 grade point average in the senior year and 3.0 grade point average overall, resident of Mississippi and demonstrates financial need. Selection by a special committee.

MR. AND MRS. L. C. KIRKLAND: (E) Capable and deserving student in need of financial assistance.

SELMA KRELL: (E) To capable and deserving Theatre majors.

ETHEL WHATLEY KROKER: (E) Needy and deserving students with preference given to blood grandchildren and blood great-grandchildren born to Mrs. Kroker's brothers and sisters.

L AND A CONTRACTING: (A) Awarded to a student with a junior classification who has maintained a GPA of 2.5 or higher with financial need a determining factor.

LAMAR COUNTY BANK: (A) Scholarship to be awarded by the Financial Aid Office.

JUAN AND VALLEY LANDRY: (A) To a student majoring in Architectural Engineering Technology.

ED AND EDDIE LANGFORD: (E) Pascagoula Separate School District graduate, majoring in Education or Coaching, desire to succeed and must have financial need.

LAUDERDALE COUNTY ALUMNI CHAPTER: (A) To a student from Lauderdale County enrolled in the Nursing Program or Criminal Justice Program (degrees granted through the Mississippi State University Branch in Meridian).

LAUREL FEDERAL SAVINGS AND LOAN: (A) To a worthy and needy student from Jones County.

LEAKE COUNTY ALUMNI CHAPTER: (A) To a student from Leake County.

D. C. LEECH: (E) Capable and deserving student in Athletic Administration and Coaching with financial need.

PEARL REYNOLDS LEECH: (E) Capable and deserving students planning to teach, with preference to those in Elementary Education.

OLA FARMER LENAZ: (E) Capable and deserving student who plans to enter the teaching profession.

THOMAS LENNEP: (E) An Air ROTC student, upon recommendation of the staff of that area, who is a junior or senior with a 2.75 minimum GPA or above.

MR. AND MRS. J. D. LEWIS: (E) Award on the basis of citizenship record, economic need and academic work.

MADIE PEDEN LIGHT: (E) to provide scholarships to students from Public Schools in Lauderdale County, who will enter as a freshman at USM, with a career goal to become a high school math or English teacher.

LANELLE GADDIS LONG HOME ECONOMICS: (E) Capable and deserving student in Home Economics. Recommendation of area.

LEONARD LOWREY MEMORIAL: (E) Provides direct aid to students who have need, have interest in journalism, writing and demonstrate high potential through scholarship and outside interest especially in the field. Family members will not be excluded.

MARION COUNTY ALUMNI CHAPTER: (A) Outstanding Marion County student.

JARVIS MAXEY AWARD: (E) Special award for a College of Business Administration student selected by a CBA selection committee.

MATTHEW DAVID MAY MEMORIAL SCHOLARSHIP: (E) To a needy student from Lauderdale or Clarke County, Mississippi, majoring in Nursing, junior or senior, with a minimum 3.0 grade point average. (Established by Brian and Janet May in memory of their son).

MARGARET MCCARTHY: (E) Capable and deserving student in Hotel Administration and Dietetics (½ to each).

EDWARD J. AND SUE WILBY MCCARTY ENDOWED HONORS GEOLOGY: (E) Designed to encourage bright, ambitious students interested in the study of Geology. Student must be eligible to enroll in the Honors College, maintain a 3.2 GPA (overall) and a 3.35 GPA in Geology. Applicant must submit a letter indicating interest in the field of Geology. A senior thesis is required.

JAMES K. AND ELSIE S. MCGEHEE: (E) Capable and deserving graduates of Long Beach High School or as an alternative, a graduate of a public school within Harrison County. Consideration should be given to all-around students rather than those who are eligible for financial aid or academic awards.

REESE D. AND CORINNE H. MCLENDON: (E) To a deserving student who has graduated from a public high school.

LYNN B. MCMAHAN SR., GERONTOLOGY STUDENT AWARD: (E) Outstanding senior or graduate student majoring in Home Economics, Social Work, or Social and Rehabilitation Services (Counseling Psychology) with a genuine interest in working with the elderly. True award that is strived for rather than based on need.

PAUL MCMULLAN: (E) Mississippians who are majoring in Finance and Banking.

MEDICAL TECHNOLOGY: (A) Student in the Department of Medical Technology. Recommendations to be set up by the President.

MEMORIAL HOSPITAL/GULFPORT AUXILIARY SCHOLARSHIP—GULF PARK: (A) Two scholarships to capable and deserving students majoring in Nursing on the Gulf Park campus. Must be a sophomore or above and reside in either Hancock, Harrison, Jackson, Pearl River, Stone, or George Counties. Department makes selection.

MEMORIAL HOSPITAL/GULFPORT AUXILIARY SCHOLARSHIP—HATTIESBURG: (A) To a capable and deserving student majoring in Nursing and/or Medical Technology at Hattiesburg campus, must be a sophomore or above and reside in Harrison, Jackson, Pearl River, Stone or George Counties. Department makes recommendation.

MERCHANTS COMPANY EMPLOYEES (Memory of John Tatum): (E) Capable and deserving native Mississippian in Institution Administration. Rotates between Hotel Administration and Dietetics.

DR. LEO MILLER SUMMER AWARD: (A) An award to help a graduate student, a USM alumnus, who is returning to pursue a master's degree in Elementary Education. The award is based on need and academic performance.

MISSISSIPPI CONCRETE INDUSTRIES ASSOCIATION: (A) Full-time student, Mississippi resident in program of Construction & Architectural Technology and passed a minimum of 30 hours, selection by coordinator, a professor in Department of Construction and Architectural Technology, and representative of Mississippi Concrete.

MISSISSIPPI GULF COAST CRAFTSMAN GUILD INC., R. W. PITTMAN MEMORIAL: (E) To aid students studying the area of art, pottery, plastics, woodwork, etc. Recommendation of the Art Department.

JEROLD J. MORGAN: (E) Outstanding Accounting student to be selected by special committee.

MR. AND MRS. LOVELLE MORRIS: (E) Capable and deserving student. Relatives will not be excluded.

JOE BARRY MULLINS: (O) Graduate scholarship to be awarded by the School of Music Scholarship Committee.

MUNRO PETROLEUM AND TERMINAL CORPORATION: (E) Awarded to a student in the master's degree program in Economic Development, upon recommendation of the faculty in that area.

MUNRO PETROLEUM AND TERMINAL CORPORATION: (A) Provides a full academic scholarship annually with preference given to the five Southern Mississippi counties, based on financial need and academic merits.

WILLIAM WALTER MUNSON: (E) Worthy individuals enrolled as regular students.

NATIONAL ASSOCIATION OF HOME BUILDERS: (A) Capable and deserving student upon recommendation of that area.

NORTH ALABAMA ALUMNI CHAPTER: (A) To a student who resides in Huntsville, Alabama or North Alabama Area.

GEORGE R. OLLIPHANT: (E) Scholarships administered by the Honors College, to be awarded to deserving students in the George R. Olliphant Honors Program.

LINWOOD E. ORANGE ENDOWED: (O) A stipend awarded to the most outstanding graduate student specializing in English literature written prior to 1800, preferably literature of the Renaissance.

FANNIE OZELL OWINGS: (O) Student majoring in Home Economics upon recommendation of that area.

DR. RALPH S. OWINGS: (E) Awarded to an outstanding graduate student in Educational Administration upon recommendation from that department.

JACK AND LOUISE PACE: (E) Capable and deserving USM students from Neshoba, Scott, and Simpson County.

KATHRYN SWETMAN PAGE: (E) Given in memory of the first person to earn a BS degree at the institution in 1922. Preference should be given to students from Harrison County who are majoring in Home Economics or Music.

JOHN AND CLAUDIA PARKER: (E) Capable and deserving student who plans to teach school and needs financial assistance.

AGNES WILKERSON PEEK: (E) To provide an academic scholarship to an outstanding student who maintains a GPA of 3.0 on a 4.0 scale from Forest High School.

SHELBY AND MAUDE PICKETT: (E) To provide scholarship assistance to students who plan a career in Nursing.

PI OMEGA PI: (A) Student in Business Education.

EDWIN LLOYD PITTMAN: (E) To a student who has completed his/her freshman year and is a Mississippi resident.

BILL PORTER MEMORIAL: (E) To a student in pre-law.

BILL PORTER VOICE AWARD: (A) To an outstanding voice major in their junior year, entering their senior year. Recommendation by the Department.

PRESIDENTIAL SCHOLARS: (A) Presidential scholars and special scholars program.

PULLEY, PULLEY AND GOUGH: (E) To help worthy students in the ongoing of their education.

BEN MOUNGER RAWLS: (E) To a teaching assistant in the English Department. Special committee to make the award.

MARVIN REUBEN: (E) Outstanding student in broadcasting in the School of Communication.

RICHTON BANK AND TRUST: (A) To provide annual scholarship to a deserving student who is a resident of either Perry or Greene counties in Mississippi.

M. M. ROBERTS: (E) Capable and deserving undergraduate students who are native Mississippians.

ABBIE ROGERS: (E) Junior or senior student majoring in Special Education-Mental Retardation. To be selected by special committee.

SCHILLIG-BAIRD SCHOLARS: (E) To a Mississippi resident, high ACT and High School GPA, recognized as a Merit Scholar, high leadership skills, and letters of recommendation.

ALTON N. "IKIE" SCOTT: (E) Preference given to student from Washington County, Alabama.

HOWARD SESSUMS: (A) To a deserving Mississippian, junior or senior, majoring in secondary education or counseling.

BILL SHAFER: (E) Counseling and Psychology doctoral student upon recommendation of special committee.

HERSCHEL SHATTLES: (E) To provide scholarships for student athletes.

HERSCHEL AND LYNN SHATTLES: (E) Award to capable and deserving students from Lamar or Forrest County majoring in business administration with preference given to graduates of Forrest County Agricultural High School. To be selected by FCAHS special committee.

LYNN SHATTLES: (E) To provide scholarships for student athletes.

MR. AND MRS. R. E. SHOEMAKE: (E) Student from Forrest and Perry County working on master's degree in Education or an undergraduate degree in Elementary Education.

MABLE Ve. SHANNON SILVER MEMORIAL: (E) Awarded to capable and deserving undergraduate or graduate student in the School of Music. Recommendation from faculty committee.

LINNIE COCKRELL AND COLBY D. SIMMONS: (E) Award to capable and deserving students from Jones or Jasper County with financial need.

O. L. AND MARIE B. SIMS: (E) Student will be selected on the basis of Presidential Scholars.

DEBRA RENEE SLAY—GULF PINES GIRL SCOUT: (O) Recipient must have minimum 2.5 GPA registered Girl Scout for 5 years, registered in Gulf Pines Council 2 years, must have earned the Gold Scouting Award.

T. HIRAM STANLEY: (E) Capable and deserving students.

MIKE AND BETTY STETELMAN: (E) To provide scholarship support for student athletes.

WILBUR W. AND POLLY STOUT: (E) Awarded to the senior-to-be who has the best grade point average in English after having completed three years at USM.

JOHN STUBBS: (E) To provide scholarship support for student athletes.

C. CARUTHERS SULLIVAN MEMORIAL SCHOLARSHIP: (E) To a junior or senior Economics major in Business Administration to be selected by a special committee.

SUNBURST BANK: (A) To a worthy and needy student.

HENRY E. TERRY BUSINESS ADMINISTRATION ENDOWED SCHOLARSHIP USMGC: (E) To provide scholarships to students majoring in Business Administration of the USM Gulf Coast campus. USMGC to make recommendation.

R. B. AND LELA ALLEN THIGPIN: (E) To a deserving student with preference given to Associates of Arts graduates from Mississippi Delta Community College or graduates from East Central Community College, native of Leake County.

E. V. AND CATHERINE THOMAS: (E) Adult women. Preference to displaced homemakers who need to train for a career for economic security as recommended by the Director of Office of Orientation and Retention.

W. A. THOMSON: (E) Capable and deserving student in the Hattiesburg area.

ALYNE HALL THORNHILL: (E) To a student from Walthall County, Mississippi, in Elementary Education who is planning to teach.

DOUGLAS ALLEN TRAWEEK: (E) A senior who has financial need with preference to Clarke County residents.

TRUSTMARK BANK: (A) Children of Trustmark employees below the level of Senior Vice President, based on either need and/or academic achievement as determined by the Scholarship Committee, maintaining a 2.5 or equivalent overall GPA. If no employee dependent meets eligibility, award to a junior or senior in Banking and Finance based on need and/or academic achievement. Recipient must maintain a 3.0 or equivalent GPA.

TRUSTMARK OF LAUREL: (A) To a worthy and needy student from Jones County.

UNIVERSITY SYMPHONY: (O) Provides scholarship, sponsorship and related support to the USM Symphony Orchestra.

USM (CCAF) SCHOLARSHIP: (A) Pays 25% of tuition costs for recipients for the first time with USM (after CCAF graduation).

USM WOMEN'S CLUB: (A) Preference given to children of USM faculty or staff employed after July 1, 1977 whose parent is a member of USM Women's Club.

BRADY LEO VANHUSS, JR.: (E) To a Polymer Science student, United States citizen, preference given to students from the Southeastern United States.

PAUL AND EVA WALDOFF MEMORIAL: (A) Assistance through the Eagle Club for the athletic program.

J. FRED AND MILDRED WALKER: (E) Capable and deserving student.

DR. J. FRED WALKER: (E) Outstanding student in Biology or Pre-med.

WALTHALL CITIZENS BANK OF TYLERTOWN: (A) Capable and deserving Walthall County student.

WEST GULF COAST BOARD OF REALTORS: (A) Capable and deserving Real Estate student from the area of sponsor.

WHAT-SO-EVER CIRCLE OF THE KING'S DAUGHTERS AND SONS, HATTIESBURG MISSISSIPPI: (E) To provide scholarship assistance to a worthy and needy student of high moral character with preference given to a resident of Forrest or Lamar Counties of Mississippi.

LEON AND IVAH WILBER: (E) Divide between the Outstanding Panhellenic Woman and outstanding senior in Political Science who plans to do graduate work at USM.

BRUCE T. WILGUS: (A) Outstanding volunteer worker to be selected by the staff of the Equestrian Center.

DR. ARLINE K. WILLIAMS GULF COAST NURSING SCHOLARSHIP: (E) To a student enrolled in the Gulf Coast Nursing Program.

MILDRED LINDLEY WILLIAMS: (E) Worthy and needy students attending USM who are resident citizens of Mississippi with preference being given to majors or students in Institutional Administration (Hotel and Restaurant Management).

BENNETT WILLOUGHBY: (E) To provide scholarship assistance for student athletes.

LOWERY WOODALL: (E) Students in the College of Business Administration upon recommendation from that area.

EDNA DAVES YARBROUGH: (E) Award on the basis of financial need and a high respect for the U.S. Government.

E Endowment
A Annual
O Other

STUDENT ACTIVITIES

The main source of the extra curricular activities at The University of Southern Mississippi is the multitude of student organizations and activities. Some 200 student organizations include all categories of participation: service, social, religious, professional, honorary, and on and on to provide an opportunity for almost any interested student to participate. While these activities are outside of or "extra to" the formal curricula, they are unquestionably a part of the student's total experience while he or she is enrolled at The University of Southern Mississippi.

In addition to the numerous student organizations, there are groups which, by their representative function, serve the entire student body in their various capacities and areas. These groups are: Associated Student Body, and University Activities Council.

While these groups are deliberative and propose to represent the views and wishes of the entire student body, other student governing groups may be found in the residence halls, the fraternity and sorority system, and the international student community.

ASSOCIATED STUDENT BODY

The Associated Student Body of USM consists of all students enrolled in the University. It is structurally set up with executive, legislative, and judicial branches. The officers of the ASB comprise the executive branch, elected representatives from the academic colleges and places of residence make up the Senate or legislative branch, and the student courts comprise the judicial branch.

The ASB, however, is much more than a structured student organization. It is the official voice of the student in University affairs. In addition, the ASB serves the student in special services and projects, along with providing representation on committees and boards. These services include a check cashing service, short-term loans, refrigerator rental, legal services, a student discount card, and a health insurance program.

ASB projects include the Miss Southern Pageant, student elections, cheerleader and spirit activities, recruiting, and the student handbook.

The Associated Student Body is constantly striving to improve programs and services available to the USM student population. By working with the University administration and voicing student concerns, the ASB promotes the welfare of all students in all phases of university life.

DISABLED STUDENT SERVICES

Disabled Student Services provides a variety of programs and services to students with any type of temporary or permanent physical disability.

Some of the services available include: orientation, registration assistance, textbook enlargement, and campus accessibility. The office also provides assistance to students receiving services and funds through the various vocational rehabilitation agencies.

New students are encouraged to contact the office before beginning classes in order to reserve on-campus housing and make other necessary arrangements. Write Disabled Student Services, Southern Station, Box 5067, Hattiesburg, MS 39406-5067 or call 1-601-266-5024.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of a faculty adviser. A handbook for students is published by the ASB.

R.C. COOK UNIVERSITY UNION

The center of student activities at The University of Southern Mississippi is the R.C. Cook University Union, which houses the student organization offices, Seymour's, recreational area, and meeting rooms. Students use the facilities of the University Union for recreation, social, religious, and organizational activities. The Union holds membership in the Association of College Unions—International.

UNIVERSITY ACTIVITIES COUNCIL

The University Activities Council (UAC) is made up of interested students selected through an application-interview process. UAC activities include all facets of collegiate programming, the more prominent of which are weekly movies, concerts, lectures, and special events.

The University Activities Council is recognized throughout the South as one of the outstanding collegiate programming groups, budgeted on per-student fee basis that allows all students to attend UAC activities on the presentation of their student identification card, except for major concerts when a nominal fee is charged.

Holding membership in the National Association of Campus Activities (NACA), the UAC keeps abreast of collegiate programming trends and developments throughout the nation, as well as the South.

ATHLETICS

The University of Southern Mississippi is a member of the Metropolitan Collegiate Athletic Conference, the College Football Association and the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, golf, indoor and outdoor track, cross-country, and women's tennis, basketball, softball, cross-country, volleyball and indoor and outdoor track.

RECREATIONAL SPORTS

For students, faculty, and staff who wish to participate in leisure, fitness or competitive programs, the division of Recreational Sports offers **"Something for Everyone."** Over forty team, individual and dual sport activities take place under the direction of the **Intramural Sports** program. Annually, four thousand students participate in **Intramurals.** Special interest sports enthusiasts get involved in the well-organized instructional and/or competitive activities of the **Sport Club** program. Some of these include men's and women's soccer, rugby, martial arts, fencing, etc. The M. C. Johnson Natatorium contains a six lane, twenty-five yard indoor pool. In conjunction with recreation, classes and competition, the **Aquatics** program has something for everyone who loves the water. Fourteen lighted **Tennis Courts** are available for relaxing afternoons and evenings of leisure tennis activity. The three gymnasia Sports Arena is the focal point for the **Informal Recreation** program. A full range of equipment can be checked out with a current USM ID card. The Sports Arena also houses both free weights and circuit training systems. Back-to-nature facilities include **Lake Sehoy,** and the **Equestrian Center. Lake Sehoy** offers a pavilion, log cabin for retreats, meetings and special events, picnic areas, boating, fishing, swimming and putt putt golf. The **Equestrian Center** features trail rides, riding instruction, grooming techniques and group functions year round. USM's **Fitness Center,** located in Reed Green Coliseum, includes a jacuzzi, sauna, indoor track and a variety of exercise equipment. Additionally, membership privileges include aerobic classes. For more information regarding Recreational Sports programs and services, please call (601) 266-5405.

ORGANIZATIONS

Business Organizations–American Marketing Association, American Production and Inventory Control Society, Business Student Advisory Council, Delta Sigma Pi, Financial Management Association, National Association of Business Economists, Phi Beta Lambda, Phi Chi Theta, Rho Epsilon, Society for Advancement of Management, Data Processing Management Association.

Education and Psychology Organizations–George Hurst Chapter of the Student Education Association, Student Council for Exceptional Children.

Fine Arts Organizations–Music Industry Association, Phi Mu Alpha Symphonia.

Games and Athletic Organizations–Billiards Association, Chess Club, Diamond Darlings, Diver's Association, Fencing Club, Gaming Society, Golden Eagel Ultimate Club, Golden Girls, Gold Tenders, Karate Club (Shotokan), Rugby Club, Soccer Club, Sports Officials Association, Student Eagle Club, Student Sports Medicine Club, Women's Soccer Club, Volleyball Club.

Graduate Student Organizations–Counseling Association for Master's Students, Graduate Association of Students in Psychology, Graduate Business Association, Graduate English Association, Graduate Student Forum in Biological Sciences.

Greek Organizations–Interfraternity Council, Junior Panhellenic Council, Panhellenic Council. **Sororities**–Alpha Delta Pi, Alpha Kappa Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, Zeta Phi Beta. **Fraternities**–Alpha Phi Alpha, Alpha Tau Omega, Delta Tau Delta, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Omega Psi Phi, Phi Beta Sigma, Phi Kappa Tau, Pi Kappa Alpha, Sigma Alpha Epsilon, Sigma Chi, Sigma Nu, Sigma Phi Epsilon, Tau Kappa Epsilon.

Health and Human Sciences Organizations–American Society of Interior Designers, Hotel Restaurant Tourism Club, Recreation Majors Association, Social Work Club, Student Dietetic Association, Student Home Economic Association, Student Nurses Association.

Honor Societies–Alpha Epsilon Delta, Alpha Lambda Delta, Beta Alpha Psi, Beta Beta Beta, Beta Gamma Sigma, Chi Tau Epsilon, Gamma Alpha Epsilon, Gamma Beta Phi, Gamma Theta Upsilon, Golden Key National Honor Society, Kappa Delta Pi, Kappa Kappa Psi, Kappa Mu Epsilon, Kappa Omicron Phi, Lambda Alpha, Lambda Pi Eta, Lambda Sigma, Omicron Delta Kappa, Order of Omega, Phi Alpha Tehta, Phi Delta Rho, Phi Eta Sigma, Phi Kappa Phi, Pi Omega Pi, Pi Tau Chi, Psi Chi, Sigma Lambda Chi, Tau Alpha Pi, Tau Beta Sigma, Upsilon Pi Epsilon.

Liberal Arts Organizations–American Advertising Federation, Anthropological Society, Criminal Justice Association, Library Science Student Association, Logos Philosophy Club, National Press Photographers Association, Paralegal Society, Pre-Law Society, Public Relations Student Society of America, Society of Professional Journalist, Southern Cinema, Speech Communication Association, Student Speech and hearing Association, Sociological Society.

Military Organizations–Army–Army ROTC Golden Eagle Battalion, AROTC Ranger Comp, **Air Force**–Angel Flight, Arnold Air Society.

Religious Organizations–Anglican Student Fellowship, Association of Baptist Students, Baptist Student Union, Campus Crusade for Christ, Cantebury Union, Catholic Student Association, Chi Alpha, Church of God in Christ Fellowship, Fellowship of Christian Athletes, Golden Eagle Student Fellowship Center, Grace Community Student Fellowship, Grace Temple Campus Ministries, Impact Ministries, Latter Day Saints Student Association, Love, Salvation and Determination Choir, Lutheran Student Fellowship, Muslim Student Association, Pentecostal Campus Fellowship, Prayer Time Fellowship, Reformed University Fellowship, Southern Christian Student Center, Unity Church of Positive Living, Wesley Foundation.

Residence Hall Organizations–Bolton Hall, Bond Hall, Elam Arms, Hattiesburg Hall, Hickman Hall, Hillcrest Hall, Jones Hall, Mississippi Hall, Pulley Hall, Residence Assistant Advisory Board, Residence Association of Pinehaven, Residence Hall Association, Roberts Hall, Scott Hall, Wilber Hall.

Science and Technology Organizations–American Chemical Society, American Institute of Building Design, Association for Computing Machinery, Construction Specification Institute, Home Builders Association, Institute of Electrical Engineers, Medical Technology Club, Minority Engineering Technology Society, Sigma Phi Omicron, Society of Manufaturing Engineering, Society of Physics Students, Society of Polymer Scientists, Southern Geological Society, Student Constructors.

Service Organizations–Eagle Connections, PACERS, Phi Theta Kappa Alumni Association, Southern Style, Student Alumni Association.

Other Student Organizations–Abilities Unlimited, Adult Children of Alcoholics, Afro-American Student Organization, Associated Student Body, Associated Student Body-Senate, BACCHUS, Campus for Choice, Chinese Student Association, College Republicans, Honor Student Association, International Relations Club, Liberal Student Association, Narcotics Anonymous, Pan American Student Association, Rho Gamma, Right to Life Society, SADD,

SAVE, Smoker's Anonymous, Society of Creative Anachronism, Student Planning Network, Union Board, University Activities Council, Young Democrats.

Dramatic, Musical and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE UNIVERSITY THEATRE is the campus dramatic organization sponsored by the Department of Theatre and Dance. Open auditions are held for all productions and any student enrolled at the University is eligible to participate.

THE OPERA THEATRE, open to all students of the University by audition, performs many works of musicodramatic interest during the year.

THE ORATORIO CHORUS, a large symphonic chorus, is open to students and members of the Hattiesburg community. Its two major concerts each year highlight the masterworks of Western art music for chorus; no audition is required.

THE UNIVERSITY CHORALE is a select choir made up of auditioned singers. Their repertoire, performed on campus and on tour, encompasses sacred and secular music from all music eras.

THE UNIVERSITY SINGERS is a mixed chorus of about sixty voices. One of the most popular of campus groups, its frequent performances touch a varied repertoire of music for chorus. Audition is required.

JAZZ SINGERS is a small select ensemble made up of excellent student singers who concentrate on performing vocal music in the jazz idiom, especially original music and arrangements made popular since 1960. Membership is by audition only.

COVENANT AND CARILLON, two select ensembles, tour regularly, singing and ringing about forty performances a year. Covenant, singing ensemble, and Carillon, a hand-bell group, concentrate on contemporary sacred music. An audition is required.

THE SYMPHONIC WIND ENSEMBLE, THE SYMPHONIC BAND, AND THE CONCERT BAND are open to all University students by audition. The University's bands have an outstanding record of service to the University and the state.

THE MARCHING BAND, known as the "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

CHAMBER MUSIC (i.e., small, expert, student ensembles) includes brass, woodwind, string quartets; large homogenous groups (e.g., Trombone Choir); and groups devoted to the performance of early music (e.g., Collegium Musicum). For information, please consult the School of Music, Fine Arts Building, Room 211.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLES utilize programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BANDS are full-size modern jazz ensembles which play the latest arrangements of music in the big band contemporary idiom.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University by audition, gives a number of concerts each year in addition to assisting with oratorios and operas.

Service awards are available to talented students. Auditions may be arranged through the School of Music.

WUSM-FM is a University-owned public radio station which serves the diverse educational and cultural needs of the Hattiesburg community. Students interested in joining the WUSM-FM staff should contact the radio station.

UNIVERSITY FACILITIES AND EDUCATIONAL SERVICES

UNIVERSITY COUNSELING CENTER

The purpose of the University Counseling Center is to assist each individual in deriving maximum benefit from his or her University experience and developing his or her full range of potentialities. The following professional counseling services are provided: personal, social, and marital.

Students interested in dealing with some aspects of personal or social development should feel free to contact the Center for an appointment. Everything that is said during a counseling

interview is regarded as confidential. No information is released to any individual except with the approval of the student.

Besides assisting students on an individual basis, the Center provides group study skills training to enable students to handle their academic pursuits better. How to organize study time, how to take notes, and how to take examinations are a few of the topics covered.

The Center provides growth experiences for students. Primary goals of these experiences are developing the student's ability to communicate and enhancing his or her skills in interpersonal relationships. The goal, therefore, is to provide students a chance to obtain insight into their own behavior and the behavior of others in the context of a group experience.

The Center staff is available to work with campus groups in providing leadership or communication training. The primary goals of these groups are to improve leadership abilities and to enhance the communication function in organized group activity.

The Center also serves as the University testing center. Tests given include college entrance exams and professional tests (i.e., ACT, GRE, GMAT, GSFLT, DAT, MCAT, and LSAT). For the convenience of the students, application forms for these tests are available in this office.

The Center is located in Room 200, Student Services Building. It is open from 8:00 AM to 5:00 PM, Monday through Friday. Any person who is enrolled or expects to enroll as a student may use the services without charge. Spouses of students often use the Center. In order to make an appointment, a student may come by the Center or call 266-4829 or write to:

Director of the University Counseling Center
University of Southern Mississippi
Southern Station, Box 5075
Hattiesburg, MS 39406-5075

VETERANS AFFAIRS

Veterans affairs are administered through the Office of Admissions and Records. Assistance is given to veterans and dependents of eligible veterans to enable them to derive the maximum benefit from their veterans' educational entitlement.

CAREER PLANNING AND PLACEMENT

Career Planning and Placement, located on the first floor of McLemore Hall, offers the student two types of employment while attending the University: part-time employment, cooperative education employment, as well as career employment upon graduation.

The **Student Employment Division** offers the student an opportunity to obtain part-time employment while enrolled as a regular student at USM. The service is comprehensive in that it involves jobs for work-study as well as non-work-study both on and off campus.

The **Cooperative Education Program** affords the student the opportunity to gain a complete education with periods of work related to the student's major. The Cooperative Education Office assists in securing meaningful jobs that will give the student practical work experience and financial support to aid in his or her education. The basic qualifications for the undergraduate Co-op Programs are as follows:

1. The student must maintain at least a 2.50 GPA.
2. The student must attend USM or a regional campus at least one semester prior to his or her placement.

A student is eligible to enter the program at any time during his or her career at USM. Transfer students who have been in a co-op program with another university may transfer into the USM program and maintain their original jobs.

Salaries of co-op students vary depending on the type of degree they are pursuing and the amount of co-op experience they have.

The Office of Cooperative Education will determine the eligibility of students to participate in the program. Each student's record of performance will be periodically reviewed, once an active participant, and he or she may be placed on probation or removed from the program when not meeting minimum requirements.

Academic credit for work assignment will be determined by the student's major department and is not necessarily a part of the program.

The **Placement Center** provides assistance to graduating seniors, graduates, and alumni in obtaining career employment upon or after graduation. Students seeking career employment should register with the Placement Center and establish a credentials folder during the last semester of their junior year or the first semester of their senior year. These credentials are valuable to prospective employers who are seeking information on college graduates for possible employment. The services may be used by the graduate as often as is needed.

For additional information, contact the:

Student Employment Division
Southern Station, Box 5014
Hattiesburg, MS 39406-5014
(601) 266-4157

Cooperative Education Program
Southern Station, Box 5014
Hattiesburg, MS 39406-5014
(601) 266-4844

Placement Center
Southern Station, Box 5014
Hattiesburg, MS 39406-5014
(601) 266-4153

THE CAREER CENTER

The Career Center offers individuals, ranging from high school age through the adult years, assistance in the process of examining and exploring career opportunities. The following services are available:

Career Counseling—Assistance in clarifying each individual's career picture, including education necessary to achieve one's goals as well as an action plan.

Individual Vocational Testing—Career interest tests administered by the counselor to assist an individual in determining vocational areas of interest. An understanding is gained of one's interests, skills, and values.

Career Information Library—Contains information on numerous occupations, giving an overview of job descriptions, Salaries, advancement opportunities, and trends.

Job-Finding Skill Development—Discussion of the interviewing process, the hidden job market, job seeking skills, and resume writing. CPY 301, Job Seeking Skills, is a 1-hour academic class offered each semester teaching students how to implement job search strategies.

Computerized Vocational Guidance—Software programs which facilitate the career decision making process and which contain current information on various career areas.

For more information call or write:
The Career Center
Southern Station, Box 5014
Hattiesburg, MS 39406-5014
(601) 266-4847

UNIVERSITY LIBRARY SERVICES

Library functions at The University of Southern Mississippi are organized into three major units: the Joseph Anderson Cook Memorial Library, the William David McCain Archives and Library, and the Teaching Learning Resource Center. Each unit is administered by a director who reports to the University Librarian.

The Joseph Anderson Cook Memorial Library

The Joseph Anderson Cook Memorial Library contains the principal collections of books, microforms, and other printed materials which directly support the instructional program of the University at all levels. Book stacks and reading areas are intermingled throughout the building, and the open shelf method of access to materials is utilized. The Library is currently acquiring approximately 23,000 new volumes annually and maintaining 5,000 current journal subscriptions. The collections are arranged according to the Library of Congress Classification System. The Library uses the computerized cataloging services of the Southeastern Library Network and the Online Computer Library Center to process materials. Access to on-line data bases is provided through Southern's Computer Assisted Retrieval Service (SCARS). These data bases provide bibliographic citations and textual or factual information on a wide range of subjects. Free access to several data bases is provided in the Reference Department through CD-ROM technology.

The William David McCain Library and Archives

The William David McCain Library and Archives houses the special collections and archives of The University of Southern Mississippi. Upon completion of the four-story structure in 1976, the University library system consolidated and transferred the Mississippiana and other special collections into this modern research facility. The resources in McCain Library and Archives are available for use by the public and the University community in the Cleanth Brooks Reading Room (Room 305). While the materials housed in this facility do not circulate

outside the building and are primarily housed in non-public areas, reference librarians are present to assist patrons. The online catalog and numerous other descriptive finding aids serve as points of access to the collections, which are usually available for immediate use. Among the notable holdings of McCain Library and Archives are the Mississippiana and Genealogy Collections; the de Grummond Children's Literature Research Collection; the Woods Collection of rare books; the papers of Williams M. Colmer, Theodore G. Bilbo, and Paul B. Johnson; the Walen Collection of Confederate and Civil War History; and the distinguished Cleanth Brooks Collection of *belles lettres*. A fourth floor gallery features periodic exhibitions, and the Library regularly sponsors public educational programs.

The Teaching Learning Resource Center

Students are provided access to non-print media through the Learning Resource Center located in Room 106 on the ground floor of the McCain Library. The Center contains study carrels for individualized, self-paced learning. These carrels are equipped with a variety of audio-visual devices including audio cassette players, videocassette players, slide projectors, filmstrip projectors, and motion picture projectors. The non-print media collection contains material from a variety of subjects and is supplemented by materials placed on reserve in the Center by faculty members. The Teaching Learning Resource Center also provides a wide range of instructional support services to faculty members, including a graphics production unit.

UNIVERSITY PRESS OF MISSISSIPPI

The University Press of Mississippi was founded in 1970 to encourage the dissemination of the fruits of research and study through the publication of scholarly works. Functioning as the scholarly publishing arm of the state-supported universities in Mississippi, The University Press is governed by a Board of Directors made up of one representative from each of the eight state universities, one representative from the Board of Trustees of State Institutions of Higher Learning, and the director of the Press.

The University Press publishes between ten and twenty books each year. Primary areas of interest are Mississippi history and literature, but manuscripts in all areas of study are welcomed.

Administrative offices of the University Press are located in the Education and Research Center of Mississippi, 3825 Ridgewood Road, Jackson, Mississippi, 39211.

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association was established in 1917 as an organization mainly involved in functions relating to placement service. Since its rebirth in 1946, when the Executive Committee recognized the need for working Alumni Association with organized alumni groups in the various counties of the state, the Association has operated in its present form, serving as a link between the University and its former students.

USM graduates and former students are encouraged to become active in the Alumni Association and its support of the University's various academic and athletic programs. Of approximately 72,000 graduates since the University's founding, the Alumni Association has enlisted in excess of 17,000 paid members for the past several years, with a membership base of 19,230 for 1990-91.

The Association provides a number of benefits to its members, including a subscription to the quarterly USM **Alumni News** magazine, which helps graduates stay informed on campus developments and provides updates on former classmates. Other benefits include a waiver of out-of-state tuition fees for children of members who meet certain requirements, receipt of mailings on area alumni chapter meetings, library privileges, car decals, eligibility to join the USM Credit Union, and various other special events.

The Association is very active in developing other programs to support all areas of the University. Some of these include organizing joint district Eagle Club meetings in conjunction with the Athletic Department, sponsoring high school student nights across Mississippi and the surrounding states, holding pre-game open houses prior to USM home football games, and organizing trips to athletic road games.

The Alumni Association also sponsored the drive to raise the funds necessary for the construction of the first R. C. Cook University Union Building, helped set up the USM Foundation (the receptacle for all gifts to the University), and organized the Student Alumni Association, an organization comprised of hard-working, enthusiastic students involved in a variety of activities each semester to promote the University.

Organized Alumni chapters are urged to hold a meeting each year for the election of officers on or around March 30, the date selected by the Association as USM Day in commemoration of the founding of the University on that date in 1910. All former students of USM are encouraged to get together in honor of the University on this date.

ACADEMIC ORGANIZATION

ORGANIZATION FOR INSTRUCTION

For purposes of undergraduate instruction, The University of Southern Mississippi is organized into the College of The Arts, the College of Business Administration, the College of Education and Psychology, the College of Health and Human Sciences, the College of Liberal Arts, and the College of Science and Technology.

Due to current program reviews, changes may occur in individual major requirements. Please check with the department chair for current degree requirements.

The University of Southern Mississippi offers baccalaureate degrees in the following areas for the school year of 1992-1993.

1992-1993

College/School	Department	Majors	Degree*
College of The Arts			
	Art		
		Art	BA,BFA
	Theatre and Dance		
		Dance	BFA
		Theatre	BA,BFA
School of Music			
		Music	BM
		Music Education	BME
College of Business Administration			
	Economics and International Business		
		Economics	BA,BSBA
	Finance and General Business		
		Banking and Finance	BSBA
		Business Administration	BS, BSBA
		Real Estate and Insurance	BSBA
	Management		
		Management	BSBA
	Management Information Systems		
		Management Information Systems	BSBA
	Marketing		
		Marketing	BSBA
School of Professional Accountancy			
		Accounting	BSBA
College of Education and Psychology			
	Business and Industrial Education		
		Business Education	BS
		Industrial Arts Education	BS
		Industrial Technology	BS
		Industrial and Vocational Education	BS
	Counseling Psychology and Counselor Education		
		Social and Rehabilitation Services	BS
	Curriculum and Instruction		
		Elementary Education	BS
		Secondary Education	BS
	Psychology		
		Psychology	BA,BS
	Special Education		
		Special Education	BS
College of Health and Human Sciences			
School of Human Performance and Recreation			
		Coaching and Sports Administration	BS
		Physical Education	BS
		Recreation	BS

College/School	Department	Majors	Degree*
School of Home Economics			
		Clothing Merchandising	BS
		Clothing and Textiles	BS
		Dietetics	BS
		Family Life Studies	BS
		Home Economics	BS
		Hotel, Restaurant and Tourism Management	BS
		Interior Design	BS
School of Nursing			
		Nursing	BSN
School of Social Work			
		Social Work	BSW
Center for Community Health			
		Health Education	BS
College of Liberal Arts			
	Aerospace Studies		
	American Studies (P)***		
		American Studies	BA
	Criminal Justice		
		Criminal Justice	BA
	Economics (P)***		
		Economics	BA
	English		
		English	BA
	Foreign Languages and Literatures		
		Foreign Languages	BA
	Geography and Area Development		
		Community and Regional Planning	BA
		Geography	BA
	History		
		History	BA
	International Studies (P)***		
		International Studies	BA
	Military Science		
	Paralegal Studies (P)***		
		Paralegal Studies	BA
	Philosophy and Religion		
		Philosophy	BA
	Political Science		
		Political Science	BA
		(Pre-Law)**	
	Sociology and Anthropology		
		Anthropology	BA
		Sociology	BA
	Speech and Hearing Sciences		
		Education of the Deaf	BA
		Speech-Language Pathology and Audiology	BA
School of Communication			
	Advertising (P)***		
		Advertising	BA
	Communication (P)***		
		Communication	BA
	Journalism		
		Journalism	BA
	Radio, Television, and Film		
		Radio, Television, and Film	BA
	Speech Communication		
		Speech Communication	BA
School of Library Science			
		Library Science	BA

College/School	Department	Majors	Degree*
College of Science and Technology			
	Biological Sciences		
		Biological Sciences	BA,BS
	Chemistry and Biochemistry		
		Chemistry	BS
	Computer Science and Statistics		
		Computer Science	BS
	Geology		
		Geology	BS
	Mathematics		
		Mathematics	BA,BS
	Medical Technology		
		Medical Technology	BS
	Physics and Astronomy		
		Physics	BS
	Polymer Science		
		Polymer Science	BS
	Science Education		
		Science Education	BS
	Premedical and Health Professions Office		
		(Pre-Medical)**	
		(Pre-Dental)**	
		(Pre-Pharmacy)**	
		(Pre-Veterinary Medicine)**	
		(Pre-Physical Therapy)**	
		(Pre-Occupational Therapy)**	
		(Pre-Respiratory Therapy)**	
		(Pre-Dental Hygiene)**	
		(Pre-Medical Records)**	
School of Engineering Technology			
		Architectural Engineering Technology	BS
		Computer Engineering Technology	BS
		Construction Engineering Technology	BS
		Electronics Engineering Technology	BS
		Industrial Engineering Technology	BS
		Mechanical Engineering Technology	BS
		(Pre-Architecture)**	
		(Pre-Engineering)**	

*Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education, (BS) Bachelor of Science, (BSBA) Bachelor of Science in Business Administration, (BSN) Bachelor of Science in Nursing, (BSW) Bachelor of Social Work.

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***(P) Programs

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A detailed analysis of majors, emphasis areas, and minors is found under the section of this **Bulletin** devoted to each specific college. Requirements for an academic minor may be waived for students completing either the Army or Air Force ROTC programs.

COLLEGE OF THE ARTS
ACADEMIC OFFERINGS
1992-1993

School/Department	Major/Emphasis	Degree**
SCHOOL OF MUSIC		
	MUSIC*	BM
	Church Music Emphasis	
	Composition Emphasis	
	History and Literature Emphasis	
	Jazz Emphasis	
	Music Industry Emphasis	
	Organ Emphasis	
	Percussion Emphasis	
	Piano Emphasis	
	Strings Emphasis	
	Voice Emphasis	
	Wind Instruments Emphasis	
	MUSIC EDUCATION	BME
	Choral Emphasis-Elementary	
	Choral Emphasis-Guitar	
	Instrumental Emphasis	
	Choral Emphasis-Keyboard	
	Choral Emphasis-Vocal	
ART		
	ART*	BA,BFA
	Art Emphasis	
	Art Education Emphasis	
	Drawing and Painting Emphasis	
	Graphic Communication Emphasis	
	Three Dimensional Design Emphasis	
THEATRE AND DANCE		
	DANCE*	BFA
	THEATRE*	BA,BFA
	Acting Emphasis	
	Design and Technical Emphasis	
	General Theatre Emphasis	

*Minor Available

**Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education

COLLEGE OF THE ARTS

Harold Luce, Dean
Hattiesburg, MS 39406-5031
(601) 266-4984

The primary purpose of the College of The Arts is to provide its students with a well-rounded preparation for professional and teaching careers in one of the many branches of art, music, dance, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.

To achieve its purposes, the College of The Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, as well as performance activities that are designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The College of The Arts is organized into the School of Music, the Department of Art, and the Department of Theatre and Dance, Baccalaureate majors are available in Art, Art Education, Music, Music Education, Dance, and Theatre. Undergraduate minors are available in Art, Dance, Music, and Theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the College. This course fulfills the University's core requirements for fine arts.

Since curricular requirements vary for each major, students desiring degrees from the College of The Arts should follow the courses outlined under each department.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

SCHOOL OF MUSIC

Peter L. Ciurczak, Director
Hattiesburg, MS 39406-5081
(601) 266-5363

Andersen, Behm, Bivins, Carnovale, Cox, Dean, DeChiaro, Donohue, Fraschillo, Gower, Gwozdz, R.H. Hill, Hofacre, Holley, Hong, Jerome, Lebsack, Leventhal, Love, Luce, Lucktenberg, Malone, Mayson, Moreland, Moser, Ragsdale, R.X. Sanchez, L.D. Smith, Stark, Stein, M.A. Stringer, Tuley, Waldoff, Weinert, V. Wood, Zaninelli

The University of Southern Mississippi School of Music is a fully accredited member of the National Association of Schools of Music. Requirements are in accordance with the published regulations of this Association.

Students electing to take applied lessons not required for specific degree programs are required to pay an additional fee. (See Special Fees and Expenses.)

There are two undergraduate majors available to students in the School of Music, a major in Music or in Music Education. Emphasis areas in music are: Church Music, Jazz, Music History and Literature, Organ, Percussion, Piano, Strings (including Guitar), Composition, Music Industry, Voice, and Wind Instruments. Music Education emphasis areas are: Instrumental and Choral (with plans for singers, keyboardists, guitarists, and elementary school teachers).

Major Ensemble Requirement

Every music or music education degree requires participation in the same major ensemble for the equivalent of eight consecutive semesters, excluding summers; music education majors who graduate within eight semesters are excused from meeting one semester of this eight-semester requirement. Students who transfer to USM will receive one semester of ensemble credit for each semester of participation in an ensemble at their previous institution(s); a maximum of four semesters of credit will be granted. Students who do not have the proper number of terms of registration for the correct major performing ensemble will not be allowed to graduate.

Major performing ensembles are band (excepting summer band), orchestra, and chorus (excepting summer chorus). Jazz lab band satisfies the requirement only for students pursuing the BM degree with emphasis in jazz. For students whose degree plan requires a chorus, assignment to the proper major performing chorus is made by the director of choral activities.

The approval of the School Director must be obtained for any exceptions to the major performing ensemble requirement as stated above.

Advisory Auditions and Examinations

Every potential music major is required to perform an advisory audition and take placement examinations in music theory and piano prior to the first term of enrollment as a music major.

Recital Attendance Requirements

Recital Class is an official class for one (1) hour credit. Music and Music Education majors are required to register for Recital Class (MUP* 299 or 499) and receive a grade of "P" (Passing) each semester for a minimum of eight consecutive semesters, if the student completes degree requirements within eight (8) semesters of full-time enrollment. This requirement will be waived for the semester a student is registered for MED 493. Transfer students receive one semester of recital credit for each semester of full-time work completed at other colleges; the maximum number of semesters that can be credited to any transfer student is four.

*Applied Music courses have the designation of MUP, Musical Performance Studies.

REQUIREMENTS FOR A MAJOR IN MUSIC

Music majors are required to pass a piano competency examination.

(Bachelor of Music—BM)

Emphasis: Voice

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MUP 101, 102, 161, 299, ensemble	14
MUS 101, 101L, 102, 102L, 131, 439	13
PED 105	1
	38

SOPHOMORE YEAR	SEM. HRS.
Foreign Language	6
HIS 101, 102	6
MUP 162, 201, 202, 261, 299, ensemble	14
MUS 201, 201L, 202, 202L, 231, 232	14
	40

JUNIOR YEAR	SEM. HRS.
Foreign Language	6
MED 331, 333	3
MUP 361, 362, 370, 390, 499 ensemble	13
MUS 301, 302, 321 or 322, 440, 441	10
Social Science Elective	6
	38

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 450, 451	4
MUP 461, 462, 470, 490, 499, ensemble	13
Science Elective	8
SCM 111	3
	34
TOTAL:	150

Emphasis: Piano

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
MUP 101, 102, 299, ensemble	10
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
	37

SOPHOMORE YEAR	SEM. HRS.
MUP 201, 202, 299, ensemble	10
MUS 201, 201L, 202, 202L, 231, 232	14
Science Elective	8
Social Science Elective	6
	38

JUNIOR YEAR	SEM. HRS.
Core Electives	3
Electives	8
MUP 301, 302, 370, 371, 372, 375, 376, 499, ensemble	15
MUS 301, 302, 322	6
SCM 111	3
	35

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 301, 452, 453	6
MUP 401, 402, 470, 475, 476, 499, ensemble	14
MUS 442, 443	4
	30
TOTAL:	140

Emphasis: Organ

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MUP 101, 102, 111, 112, 299, ensemble	14
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
	38

SOPHOMORE YEAR	SEM. HRS.
Foreign Language	6
MUP 211, 212, 299, ensemble	10
MUS 201, 201L, 202, 202L, 231, 232	14
Science Electives	8
	38

JUNIOR YEAR	SEM. HRS.
MAT 101 or higher level	3
MED 331, 332	3
MUP 311, 312, 370, 371, 372, 499, ensemble	13
MUS 301, 302, 321 or 322, 401, 459, 462	15
SCM 111	3
	37

SENIOR YEAR	SEM. HRS.
ENG 203	3
MED 301, 423, 454, 455	9
MUP 411, 412, 470, 499, ensemble	11
MUS 444, 445	4
Social Science Elective	6
	33
TOTAL:	146

Emphasis: Strings

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MUP 181, 299, Major Instrument	10
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
Core Electives	3
HIS 101, 102	6
MED 101, 102	2
MUP 281, 299, Major Instrument	10
MUS 201, 201L, 202, 202L, 231, 232	14
	35

JUNIOR YEAR	SEM. HRS.
MED 201, 202, 331, 332	5
MUP 370, 371, 372, 381, 499, Major Instrument	13
MUS 301, 302, 321, or 322	6
Science Elective	8
Social Science Electives	6
	38

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 221, 222, 301, 322, 323, 456, 457	10
MUP 470, 471, 472, 481, 499, Major Instrument	13
MUS 401, 446, 447	7
	36
TOTAL:	143

Emphasis: Wind Instruments

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MUP 182, 299, Major Instrument	10
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
HIS 101, 102	6
MED 101, 102, 221	3
MUP 282, 299, Major Instrument	10
MUS 201, 201L, 202, 202L, 231, 232	14
Social Science Elective	6
	39

JUNIOR YEAR	SEM. HRS.
MED 201, 202, 331, 332, 421, 425	7
MUP 370, 371, 372, 382, 499, Major Instrument	13
MUS 301, 302, 321, or 322	6
Science Electives	8
	34

SENIOR YEAR	SEM. HRS.
Core Elective	3
ENG 203	3
Mathematics or Science Elective	3
MED 301, 458, 459	6
MUP 470, 471, 472, 482, 499, Major Instrument	13
MUS 401, 446, 447	7
	35

TOTAL: 142

Emphasis: Percussion

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MUP 156, 157, 182, 299	10
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
HIS 101, 102	6
MED 101, 102	2
MUP 256, 257, 282, 299	10
MUS 201, 201L, 202, 202L, 231, 232	14
	35

JUNIOR YEAR	SEM. HRS.
MED 201, 202, 331, 332	5
MUP 356, 357, 370, 371, 372, 382, 499	13
MUS 301, 302, 322	6
Science Elective	8
Social Science Electives	6
	38

SENIOR YEAR	SEM. HRS.
Core Elective	3
Mathematics or Science Elective	3
MED 301, 321, 322, 323, 458, 459	9
MUP 456, 457, 470, 471, 472, 482, 499	13
MUS 401, 446, 447	7
	35

TOTAL: 142

Emphasis: Jazz

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MUP 184, 299, Major Instrument	8
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
SCM 111	3
	35

SOPHOMORE YEAR	SEM. HRS.
MAT 101 or higher level	3
MED 101, 102, 421, 425	4
MUP 284, 299, Major Instrument	8
MUS 201, 201L, 202, 202L, 231, 232	14
Science Electives	8
	37

JUNIOR YEAR	SEM. HRS.
Core Elective	3
MED 201, 202	2
MUP 380, 384, 499, Major Instrument	12
MUS 302, 360, 367, 368, 375, 376, 401, 470	17
Social Science Electives	6
	40

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MED 331, 332, 428	4
MUP 480, 484, 499, Major Instrument, Minor Instrument	16
MUS 301, 322, 467, 468, 475, 476	10
	36
TOTAL:	148

Emphasis: Church Music

The curriculum in Church Music is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full-time profession. Special emphasis is placed on literature to be used in the church services. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MUP 183, 299, Major Instrument	8
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
Science Electives	8
	40

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
MAT 101 or higher level	3
MUP 283, 299, Major Instrument, Minor Instrument	12
MUS 201, 201L, 202, 202L, 231, 232, 462	17
REL 131	3
	38

JUNIOR YEAR	SEM. HRS.
Mathematics or Science Elective	3
MUP 383, 390, 499, Major Instrument	11
MUS 301, 302, 305, 306, 321 or 322, 351	15
Social Science Elective	6
	35

SENIOR YEAR	SEM. HRS.
MED 331, 332, 450	5
MUP 470, 483, 499, Major Instrument	11
MUS 401, 423, 448, 449, 453, 460	16
SCM 111	3
	35
TOTAL:	148

Emphasis: Music Composition

This emphasis is designed to prepare the student for teaching theory and composition and writing and arranging music of serious intent. Various steps in the preparation of music from the preliminary sketch to the published composition are included.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
MUP 299, ensemble, Instrument Elective	8
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
SCM 111	3
	35

SOPHOMORE YEAR	SEM. HRS.
CSS 100	3
HIS 101, 102	6
MAT 101 or higher level	3
MED 101, 102	2
MUP 291, 292, 299, ensemble, Instrument Elective	12
MUS 201, 201L, 202, 202L, 231, 232, 321, 322	18
	44

JUNIOR YEAR	SEM. HRS.
MED 201, 202, 321, 322, 323, 331, 332	8
MUP 391, 392, 499, ensemble, Instrument Elective	14
MUS 301, 302	4
Science Electives	8
Social Science Electives	6
	40

SENIOR YEAR	SEM. HRS.
ENG 203	3
Mathematics or Science Elective	3
MUP 491, 492, 499, ensemble, Instrument Elective	14
MUS 401, History-Literature Electives, Theory Elective	11
	31
TOTAL:	150

Emphasis: Music History and Literature

The curriculum in Music History and Literature is planned for those who intend ultimately to teach musicology on the college level or for those who desire careers in music librarianship, music journalism, music publishing, or the recording industry—fields in which a wide and comprehensive knowledge of music history and literature is essential.

The student in music history and literature will receive a strong foundation not only in his or her chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
Foreign Language	6
MAT 101 or higher level	3
MUP 101, 102, 299, ensemble, Major Instrument	12
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
	39

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Foreign Language	6
HIS 101, 102	6
Mathematics or Science Elective	3
MUP 299, ensemble, Major Instrument	8
MUS 201, 201L, 202, 202L, 231, 232	14
	40

JUNIOR YEAR	SEM. HRS.
MED 331, 332, or 333	3
MUP 385, 391, 499, ensemble, Major Instrument	14
MUS 301, 302, 321, 322, History-Literature Elective	14
Science Electives	8
	39

SENIOR YEAR	SEM. HRS.
MUP 485, 499, ensemble, Major Instrument	12
MUS 401, History-Literature Elective	15
SCM 111	3
Social Science Elective	6
	36
TOTAL:	154

*Music History-Literature electives to be selected from the following courses: MUS 352, 432, 433, 434, 435, 436, 437, 450, 451, 462

Emphasis: Music Industry

The general aim of the Music Industry program, leading to the Bachelor of Music degree (with an emphasis in Music Industry), is to prepare properly qualified personnel for positions in the music industry. In order to accomplish this within the usual four-year undergraduate university program, the course schedule has been carefully structured to include a representative selection of basic courses in general education, music, and business, together with the major courses in Music Industry, whose purpose is to relate the individual music and business courses to each other.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
MED 221	1
MUP 299, ensemble, Major Instrument	6
MUS 101, 101L, 102, 102L, 103, 105, 131	13
PED 105	1
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
HIS 101, 102	6
MED 101, 102, 219	3
MUP 299, ensemble, Major Instrument	8
MUS 201, 201L, 202, 202L, 205, 231, 232	16
Psychology	3
Science Electives	8
	44

JUNIOR YEAR	SEM. HRS.
ACC 200, 300	6
ECO 201, 202	6
MED 201, 202, 331	3
MUP 499, ensemble, Major Instrument	8
MUS 301, 302, 303, 304	10
THE 410	3
	36
MUS 406 Music Industry	9

SENIOR YEAR	SEM. HRS.
BA 200	3
Business Electives	6
ENG 203	3
Mathematics or Science Elective	3
MED 421, 425, 428	3
MGT 300	3
MKT 300, 355	6
MUP 499, ensemble, Major Instrument	8
MUS 405	2
	37
TOTAL:	160

REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION

(Bachelor of Music Education—BME)

The curricula in music education are designed to prepare musicians who will teach in the public or private schools or teach privately. The emphases listed below are designed to provide a balance between music performance, music pedagogy, and general education. These curricula are fully certified by the National Association of Schools of Music, and they satisfy teacher certification requirements. To satisfy requirements in the State of Mississippi, students seeking the BME degree must earn a grade of C or better in all courses carrying the MED prefix.

Criteria for Admission to Teacher Education Programs, Completion of Teacher Education Programs, forms, deadlines and procedures can be found in this **BULLETIN** under the heading COLLEGE OF EDUCATION AND PSYCHOLOGY.

Students seeking the Bachelor of Music Education degree must:

a) make satisfactory progress with one concentrate (e.g., flute, voice) in at least seven (7) semesters of applied music study (summers are not included);
b) present a half-recital (MUP 395), open to the public, that is graded "Satisfactory" by the appropriate faculty area.

Piano Competency

Music education majors (including transfer students) are required to pass a piano competency test before enrolling in Student Teaching. Piano competencies are developed through enrollment in a four-semester sequence of piano classes, applied lessons, or a combination of both.

Freshmen who matriculate with substantial piano backgrounds may begin private study immediately. Freshmen with limited experience in piano will be screened during their spring term, then begin class piano their sophomore year. Transfer students are encouraged to attempt the Piano Competency Examination prior to matriculation at USM (call 601-266-5363 for an appointment); testing and advising will also be conducted during the first day of classes each semester (including summer sessions) for those who are unable to arrange prior examinations.

A block of time will be scheduled during Juries each semester (including summer sessions) for Piano Competency Examination appointments.

This program provides students with an opportunity to reduce the number of semesters in piano study. The Piano Competency Examination can be taken any time it is offered. Students are encouraged to pass the examination as soon as possible. Those who pass before they have registered for four hours of piano credit may use the remaining hours for further piano study or

for elective credit. If proficiencies are not developed in pace with the class piano syllabus, the number of semesters will be increased. Credit hours accumulated is not a criterion for passing the competency examination.

Emphasis: Instrumental Music

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
HIS 101, 102	6
MAT 101 or higher level	3
MUP 182, 299, Major Instrument	7
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
PS 101	3
PSY 110/110L	3
SCM 111	3
	42

SOPHOMORE YEAR	SEM. HRS.
ENG 203, English Elective	6
MED 101, 102	2
MED 221, 222	2
MUP 282, 299, Major Instrument	7
MUS 201, 201L, 202, 202L, 231, 232	14
Science (one physical and one biological)	8
	39

JUNIOR YEAR	SEM. HRS.
MED 201, 202, 301, 311, 312, 331, 332, 421, 422	15
MUP 382, 499, Major Instrument	8
MUS 301, 302	4
PSY 374	3
REF 400, 469	6
SPE 400	3
	39

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 475	5
FN 167	1
MED 410, 412, 425, 426, 427, 428, 493	22
MUP 395, 482, 499, Major Instrument	5
MUS 401	3
	36

TOTAL: 156

Emphasis: Choral Music—Keyboard

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
HIS 101, 102	6
MAT 101 or higher level	3
MED 301	2
MUP 101, 102, 161, 299, ensemble	9
MUS 101, 101L, 102, 102L, 131	10
PS 101	3
SCM 111	3
	42

SOPHOMORE YEAR	SEM. HRS.
ENG 203, Literature Elective	6
MUP 162, 201, 202, 299, ensemble	9
MUS 201, 201L, 202, 202L, 231, 232	14
PSY 110/110L	3
Science (one physical and one biological)	8
	40

JUNIOR YEAR	SEM. HRS.
CIS 474, 475	2
MED 311, 312, 331, 333	9
MUP 301, 302, 490, 499, ensemble	9
MUS 302	2
PED 105	1
PSY 374	3
REF 400, 469	6
SPE 400	3
	35

SENIOR YEAR	SEM. HRS.
CIS 476	3
FN 167	1
MED 410, 411, 450, 493	20
MUP 395, 401, 499, ensemble	5
MUS 301	2
	31

TOTAL: 148

Emphasis: Choral Music—Voice

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101 or higher level	3
MUP 161, 162, 299, ensemble	7
MUS 101, 101L, 102, 102L, 131	10
PED 105	1
PS 101	3
	37

SOPHOMORE YEAR	SEM. HRS.
ENG 203, Literature Elective	6
MED 101, 102	2
MUP 261, 262, 299, ensemble	6
MUS 201, 201L, 202, 202L, 231, 232	14
PSY 110/110L	3
Science (one physical and one biological)	8
SCM 111	3
	42

JUNIOR YEAR	SEM. HRS.
MED 201, 202, 311, 312, 331, 333	11
MUP 361, 362, 390, 499, ensemble	12
MUS 302	2
PSY 374	3
REF 400, 469	6
SPE 400	3
	37

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
MED 410, 411, 450, 493	20
MUP 395, 461, 499, ensemble	6
MUS 301	2
	33

TOTAL: 149

Emphasis: Choral Music—Guitar

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
HIS 101, 102	6
MAT 101 or higher level	3
MED 301	2
MUP 161, 167, 168, 299, ensemble	9
MUS 101, 101L, 102, 102L, 131	10
PS 101	3
SCM 111	3
	42

SOPHOMORE YEAR	SEM. HRS.
ENG 203, Literature Elective	6
MED 101, 102	2
MUP 162, 267, 268, 299, ensemble	9
MUS 201, 201L, 202, 202L, 231, 232	14
PSY 110, 110L	3
Science (one physical and one biological)	8
	42

JUNIOR YEAR	SEM. HRS.
CIS 474, 475	2
MED 201, 202, 311, 312, 331, 333	11
MUP 367, 368, 490, 499, ensemble	9
MUS 302	2
PED 105	1
PSY 374	3
REF 400, 469	6
SPE 400	3
	37

SENIOR YEAR	SEM. HRS.
CIS 476	3
FN 167	1
MED 410, 411, 450, 493	20
MUP 395, 467, 499, ensemble	5
MUS 301	2
	31

TOTAL: 152

Emphasis: Choral Music—Elementary Education

Students wishing to become Elementary School Music specialists should follow the curriculum for Instrumental, Keyboard, Guitar, or Vocal Emphasis with the following exception: MED 440 should replace MED 411 or 412 and MUS 456 should be added.

Requirements for a Minor in Applied Music

Students minoring in Applied Music must complete eighteen (18) hours as follows: Required—six (6) hours of private applied or group study; two performances on a student (class) recital; and three semesters in an appropriate major ensemble. Electives—nine (9) hours chosen from MUS 101, 102, 131, 201, 231, 232; and MED 331.

Requirements for a Minor in History and Music History

Students minoring in History and Music History must complete twenty-three (23) hours in the following courses: MUS 131, 231, 232; HIS 140 or 141, 401, 407, 413, 424.

Requirements for a Minor in Music History and Theory

Students minoring in Music History and Theory must complete eighteen (18) hours in any courses bearing a prefix of MUS or MED (excluding MED 100 and 361).

Note: Many of the courses offered by the School of Music have prerequisites; students should consult the University **Bulletin** for the course descriptions.

DEPARTMENT OF ART

Jerry Walden, Chair

Hattiesburg, MS 39406-5033

(601) 266-4972

Baggett, J. Bowman, Cox, Goggin, Gorzegno, House, Meade,

M.W. Ryan, Van Houten, H. Ward

The University of Southern Mississippi's Department of Art is an accredited institutional member of the National Association of Schools of Art and Design. Requirements are in accordance with the published regulations of NASAD.

Curricula leading to the degree of Bachelor of Fine Arts are offered in art education, drawing and painting, graphic communication and three-dimensional design. Curricula are also available in art leading to the degree of Bachelor of Arts. Minor programs are available in art.

Exhibitions on tour and students' exhibitions are arranged and presented by faculty and student committees. **The National Teacher Examinations are required of all students with an emphasis in Art Education.**

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Art

(Bachelor of Arts Degree-BA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
Elective	3
English 101, 102	6
FN 167	1
Laboratory Sciences (Core)	4
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 332, 334	6
Art Electives	6
Art Sequence I	6
HIS 101, 102	6
Laboratory Science (Core)	4
Literature or Philosophy (Core Elective)	3
Minor or Elective	3
Science (Core Elective)	3
	37

JUNIOR YEAR	SEM. HRS.
Art Electives	6
Art History Elective	3
Art Sequence I, II	6
ENG 203	3
Foreign Language	6
Minor or Elective	3
Social Science (Core Elective)	3
	30

SENIOR YEAR	SEM. HRS.
Art Sequence II	6
Foreign Language	3
Minor or Elective	15
Social Science (Core)	6
	30
TOTAL:	130

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Art Education

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (Core)	4
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 221, 332, 334	9
CHS 101	3
ENG 203	3
English Literature (Core Elective)	3
Laboratory Science (Core)	4
MAT 101 or higher level	3
PSY 110/110L	3
SCM 111	3
Social Science (Core Elective)	3
	34

JUNIOR YEAR	SEM. HRS.
ART 201, 321, 351, 414	12
Art History Elective	3
Art Studio Elective	3
ARE 309, 310	6
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
ART 412	3
Art History Elective	3
Art Studio Elective	3
ARE 452, 492	6
ARE 482	12
CIS 474, 475, 476	5
	32

TOTAL: 135

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Drawing and Painting

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131, 221	18
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
PED 105	1
	32

SOPHOMORE YEAR	SEM. HRS.
ART 201, 202, 321, 322	12
ART 332, 334	6
Laboratory Science (Core)	8
MAT 101 or higher level	3
Social Science (Core)	6
	35

JUNIOR YEAR	SEM. HRS.
ART 203, 302, 323, 421	12
Art Electives	9
Art History Electives	6
ENG 203	3
Literature or Philosophy (Core Elective)	3
	33

SENIOR YEAR	SEM. HRS.
ART 303, 422, 423	9
ART 428	6
Art Electives	12
Science (Core Elective)	3
Social Science (Core)	3
	33

TOTAL: 133

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Graphic Communication

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
ENG 101, 102	6
FN 167	1
Laboratory Science (Core)	4
Literature or Philosophy (Core Elective)	3
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 201, 202, 311	9
ART 332, 334	6
ART 341, 342, 344	9
ENG 203	3
Laboratory Science (Core)	4
Science (Core Elective)	3
	34

JUNIOR YEAR	SEM. HRS.
ART 301, 343, 441	9
Art Electives	9
Art History Electives	6
HIS 101, 102	6
Social Science (Core Elective)	3
	33

SENIOR YEAR	SEM. HRS.
ART 442, 443	6
ART 448	6
Art Electives	15
Social Science (Core)	6
	33

TOTAL: 133

REQUIREMENTS FOR A MAJOR IN ART

Emphasis: Three-Dimensional Design

(Bachelor of Fine Arts Degree-BFA)

FRESHMAN YEAR	SEM. HRS.
ART 101, 102, 111, 112, 131	15
ENG 101, 102	6
FN 167	
Laboratory Science (Core)	4
Literature or Philosophy (Core Elective)	3
MAT 101 or higher level	3
PED 105	1
	33

SOPHOMORE YEAR	SEM. HRS.
ART 201, 202, 351, 352	12
ART 332, 334	6
Art Electives	6
ENG 203	3
Laboratory Science (Core)	4
Science (Core Elective)	3
	34

JUNIOR YEAR	SEM. HRS.
ART 302, 303, 451, 452	12
Art Electives	6
Art History Electives	6
HIS 101, 102	6
Social Science (Core Elective)	3
	33

SENIOR YEAR	SEM. HRS.
ART 453, 454	6
ART 458	6
Art Electives	15
Social Science (Core)	6
	33

TOTAL: 133

Requirements for a Minor in Art

Students minoring in Art Studio must complete twenty-one (21) hours as follows: Art Core (ART 101, 102, 111) and twelve (12) hours elective courses (ART 112 [strongly recommended]), 200 and 300-level Art Studio and 300-level Art History).

Requirements for a Minor in Art History

Students minoring in Art History must complete the following twenty-one (21) hours: ART 131, 332, 334 and twelve (12) hours of Art History (elect from ART 400, 431, 432, 433, 434, 435, 436, 498).

DEPARTMENT OF THEATRE AND DANCE

George Crook, Chair
Hattiesburg, MS 39406-5052
(601) 266-4994

Amacker, Cole, R.B. Hill, McKay, Mullican, Nielsen, Prieur, Quarnstrom

The University of Southern Mississippi Department of Theatre and Dance is an accredited member of the National Association of Schools of Theatre and the National Association of Schools of Dance. Theatre and Dance requirements are in accordance with the published regulations of these Associations.

The Department offers major and minor degree programs in both theatre and dance. These are the only programs in the state offered in a college of the arts. Both programs provide the student with sound theory and intensive practical training and, in addition, opportunities for extensive performance experiences and exposure to visiting professional artists.

For information concerning the Master of Fine Arts degree, please consult the **Graduate Bulletin.**

REQUIREMENTS FOR A MAJOR IN THEATRE

Students seeking a Bachelor of Arts Degree in Theatre must complete the following:

Emphasis: General Theatre

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
PED 105	1
THE 103, 111, 115, 120	14
Core Electives	6
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
HIS 101, 102	6
Laboratory Sciences	8
THE 200, 201	10
Theatre electives	6
	33

JUNIOR YEAR	SEM. HRS.
Minor Electives	8
Science Electives	3
Social and Behavioral Science	6
THE 306, 320, 361	10
Theatre Electives	6
Theatre Performance Practicum	2
	35

SENIOR YEAR	SEM. HRS.
Free Electives	9
Minor Electives	10
THE 427, 428	6
Theatre Elective	3
Theatre Performance Practicum	2
	30
TOTAL:	129

Students seeking a Bachelor of Fine Arts Degree in Theatre must complete the following:

Emphasis: Acting

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or higher level	3
PED 105	1
THE 103, 111, 115, 120	14
Core Electives	6
	31

SOPHOMORE YEAR	SEM. HRS.
HIS 101, 102	6
Laboratory Sciences	8
THE 200, 201, 215, 310	16
Theatre Elective	3
	33

JUNIOR YEAR	SEM. HRS.
ENG 203	3
Science Elective	3
Social and Behavioral Science	6
THE 306, 320, 361, 429	13
Theatre Elective	3
Theatre Performance Practicum	6
	34

SENIOR YEAR	SEM. HRS.
Free Electives	12
THE 427, 428	6
Theatre Electives	9
Theatre Performance Practicum	6
	33
TOTAL:	131

Emphasis: Design and Technical

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 101 or a higher level	3
PED 105	1
THE 103, 120, 201	13
Core Electives	6
	30

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Free Elective	3
HIS 101, 102	6
Laboratory Sciences	8
Social and Behavioral Science	6
THE 200, 304	8
	34

JUNIOR YEAR	SEM. HRS.
Science Elective	3
THE 306, 320, 401, 406, 433	17
Theatre Electives	6
Theatre Performance Practicum	6
	32

SENIOR YEAR	SEM. HRS.
Free Electives	9
THE 412, 427, 428	9
Theatre Electives	9
Theatre Performance Practicum	6
	33
TOTAL:	129

Requirements for a Minor in Theatre

Students minoring in Theatre must complete twenty-one (21) hours as follows: THE 103, 120, and 1 hour of Theatre Laboratory; **OR** THE 100, 120, and 3 hours Theatre Laboratory (from three different laboratory areas). The remainder of the Theatre minor requirements are to be designed in collaboration with the minor adviser in the following areas: General Theatre, Acting/Directing, Design & Technical Theatre, Literature/History/Theory/Criticism.

REQUIREMENTS FOR MAJOR IN DANCE

Students seeking the Bachelor of Fine Arts Degree in Dance must complete the following:

FRESHMAN YEAR	SEM. HRS.
DAN 107	3
DAN 158	6
DAN 252	6
DAN 354	1
ENG 101, 102, 203	9
FN 167	1
HIS 101, 102	6
PED 105	1
SCM 111	3
	36

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L	4
DAN 253	2
DAN 254	2
DAN 258	6
DAN 259	3
DAN 352	6
DAN 354	1
MAT 101 or a higher level	3
MUS 365	3
Social and Behavioral Science Core	3
THE 202	2
Dance Elective*	2
	37

JUNIOR YEAR	SEM. HRS.
BSC 251, 251L	4
DAN 359, 452, 462, 463	15
DAN 358	6
DAN 362	2
DAN 370	2
Dance Electives*	3
Social and Behavioral Science Core	3
THE 492	2
	37

SENIOR YEAR	SEM. HRS.
DAN 464, 465, 466, 470	11
DAN 458	6
Dance Electives*	7
PED 301	3
Science Elective	3
Core Electives	3
	33

TOTAL: 143

*Dance electives chosen from: DAN 300, 353, 363, 370L, 400, 453, 455, 470L, 471, 487L, 492, 499; THE 120.

Requirements for a Minor in Dance

Students minoring in Dance must complete twenty-four (24) hours as follows: DAN 107, 158 (six hours), and fifteen (15) hours as recommended from DAN 252, 253, 254, 258, 259, 370L, 463, 464.

COLLEGE OF BUSINESS ADMINISTRATION
ACADEMIC OFFERINGS
1992-1993

School/Department	Major/Emphasis	Degree**
SCHOOL OF PROFESSIONAL ACCOUNTANCY		
	ACCOUNTING	BSBA
	Accounting Emphasis	
	Accounting-Information Systems Emphasis	
ECONOMICS AND INTERNATIONAL BUSINESS		
	ECONOMICS*	BA,BSBA
	Economics Emphasis	
	International Business Emphasis	
FINANCE AND GENERAL BUSINESS		
	BANKING AND FINANCE	BSBA
	Banking and Finance Emphasis	
	Real Estate Emphasis	
	Insurance Emphasis	
	BUSINESS ADMINISTRATION*	BSBA
	Business Administration Emphasis	
MANAGEMENT		
	MANAGEMENT*	BSBA
	Management Emphasis	
	Production/Operations Emphasis	
MANAGEMENT INFORMATION SYSTEMS		
	MANAGEMENT INFORMATION SYSTEMS*	BSBA
	Management Information Systems Emphasis	
MARKETING		
	MARKETING*	BSBA
	Marketing Emphasis	

*Minor Available to Non-Business Students
**Degree Abbreviations: (BA) Bachelor of Arts, (BSBA) Bachelor of Science in Business Administration.

COLLEGE OF BUSINESS ADMINISTRATION

Tyrone Black, Dean
William A. Sirmon, Associate Dean
Vicki C. Flanagan, Assistant to the Dean
Hattiesburg, MS 39406-5021
(601) 266-4659

The College of Business Administration endeavors to be an innovative public resource whose mission involves three commitments—to provide students the foundation for building productive careers, to advance the frontiers of knowledge in the areas of business and economics, and to foster the economic and social development of Mississippi.

The College fulfills its mission through its teaching, research, and service activities. While transmission of knowledge through classroom instruction is the College's foremost priority, research contributes to the currentness of instruction, and service helps assure relevance. The balance among these activities must be consistent with the institution's status as a comprehensive university, the accreditation standards of the American Assembly of Collegiate Schools of Business, and the development needs of the state's economy.

The College's programs should prepare graduates for entry into and advancement in business and other organizations, entrepreneurial ventures, or advanced studies. The educational experience must also provide the liberal arts and global perspectives essential to long-term career and personal development.

Research should promote the national reputation of the College and contribute to the economic development of the region. Moreover, the College must foster an environment conducive to research efforts.

Finally, service to the community, our profession, and the University is a vital aspect of the College's mission. By nurturing ties with the business sector, the College will remain dynamic and its activities relevant.

Recognizing that the College of Business Administration has demonstrated its commitment to each of the foregoing objectives, the American Assembly of Collegiate Schools of Business (AACSB) has accredited all undergraduate business programs offered on the Hattiesburg Campus.

ORGANIZATION AND ADMINISTRATION

Dean's Office

The Dean is the chief administrative officer of the College of Business Administration (CBA) and is responsible for its operation. In the Dean's Office the Associate Dean coordinates faculty and administrative activities, CBA course schedules and room assignments, curriculum and organizational planning, budgets, and space and resource allocation. The Assistant to the Dean coordinates the graduate program, graduate admission and advisement, undergraduate admission to the CBA, and undergraduate academic concerns. Students needing assistance should make inquiries to the Assistant to the Dean.

Administrative Units

The administrative units that report to the Dean's Office include the Center for Business Development and Research and six academic areas. The Center for Business Development and Research provides the administrative framework for funded research projects, publishes research reports, responds to requests for business and economic data from business firms and others, engages in research projects, and offers research support to faculty and graduate students.

The academic areas are the School of Professional Accountancy and the Departments of Economics and International Business, Finance and General Business, Management, Management Information Systems, and Marketing. A list of undergraduate academic offerings appears previously while detailed information on curricula follows. Each academic area is responsible for maintaining its associated student files and for academic advisement of its majors.

STUDENT PROCEDURES

Admission

High School graduates who have been admitted by the University and who wish to major in an area of business administration will also be admitted into the College of Business Administration. Transfer students are likewise admitted directly into the College upon admission to the University.

Students who wish to transfer from another college within the University must have at least a 2.0 GPA overall, and in all business courses. Application may be made to the CBA throughout the term, but applications normally will not be processed during the final two weeks of the term. After admission to the College, students will be advised in the appropriate department or school.

Junior college students who intend to complete a degree in the College of Business Administration should follow the course requirements listed below under First- and Second-Year Course Requirements. The College will not normally accept as meeting degree requirements any junior college course which is offered at The University of Southern Mississippi at the junior or senior level. At least junior standing is required of all students enrolling in College of Business Administration courses numbered 300 or above. All students with majors in the College of Business Administration must complete the following twenty-three (23) hours prior to beginning their junior-level courses: ACC 200, ECO 201/202, ENG 101/102, MAT 101/102, MIS 201/202. Courses which are designated as technical training courses as well as remedial courses, such as intermediate algebra, will not be accepted as meeting degree requirements.

Students majoring in degree programs outside of the College of Business Administration may not take more than 30 credit hours of Business Administration courses (including transfer credit) without being admitted to the College.

Changes of Major

College of Business Administration students who wish to change to another business major can do so by completing a "Change of Major" form in the Academic Programs Office. The academic areas involved will be notified so that advisement files can be transferred.

Students who desire to transfer to a degree program outside the College of Business Administration must be accepted by the college or school offering the program. Applications for admission to the new program are processed in the dean's office of the college or school which grants the degree. The academic areas involved will be notified so that advisement records can be transferred.

Advisement

Students are assigned a faculty adviser in the major area where their advisement records are maintained. Prior to registration, the adviser will help arrange a schedule of classes for the upcoming semester and sign the student's registration packet. An early advisement and registration period is scheduled near the end of each semester; students who are not advised at this time must wait until the first day of late registration to pick up their packets and be advised.

Probation and Suspension

University regulations regarding probation and suspension are listed in this **Bulletin** under "General Academic Regulations." College of Business Administration students who do not meet University grade point requirements will be placed on probation or suspended. Academic advisers can provide assistance to students who are on probation. Students who are dually enrolled or who attend a college elsewhere while on academic suspension from the College of Business Administration may not apply these credits toward graduation requirements in the CBA unless prior approval has been given in the Dean's Office. Suspended students may make application for reinstatement in the Academic Programs Office. A reinstatement committee meets at the beginning of each semester to interview students applying for reinstatement and to determine whether they should or should not be reinstated.

Graduation Requirements

To graduate, students must meet all prescribed course requirements. The College requires a minimum of fifty-two (52) semester hours of College of Business Administration courses and also a minimum of fifty-two (52) semester hours of coursework outside the College of Business Administration. Procedures for filing an "Application for Degree" are available in the Academic Programs Office.

The last sixty-four (64) hours of coursework must be taken in a senior college and no more than six (6) hours from study-abroad programs may be used in meeting degree requirements. Finally, to receive a Bachelor of Science in Business Administration degree from the College of Business Administration, students must complete on the Hattiesburg campus the last thirty-two (32) hours of coursework of which twelve hours must be in the major, including any specific courses designated by the Dean's Office in consultation with the appropriate chair or director. Courses taken at USM Gulf Coast cannot be used to meet the thirty-two hour requirement.

The option of challenge examinations is given at the descretion of the college of the student's major. The College of Business Administration does not encourage challenge examinations and strictly limits their use.

In addition to meeting all coursework requirements, students must have a 2.0 grade point average (1) overall, (2) in the College of Business Administration Core, and (3) in the major. Transfer students must meet the foregoing grade point average requirement for all courses taken at USM and must also have a 2.0 average for all attempted college coursework.

Dual majors involving the College of Business Administration usually are not in a student's best interest. Therefore, prior to having completed seventy credit hours, a student who wishes to pursue a dual major must have such a course of study approved by the Dean's Office.

Minors are not available to students enrolled in the College of Business Administration. However, some academic areas offer minors to non-business students.

Placement

The University maintains a central Placement Bureau which assists College of Business Administration students in locating employment following graduation. Students are expected to establish a file with the Placement Bureau two semesters prior to graduation in order to qualify for interviews with prospective employers.

Student Organizations

There are several professional and honorary societies for business students who are interested in sharing common interests or who have achieved high academic standards. These societies include the following organizations: the American Production and Inventory Control Society; Beta Alpha Psi, national scholastic and professional accounting fraternity; Beta Gamma Sigma, national scholastic honorary society for business students; Collegiate Chapter, American Marketing Association; Delta Sigma Pi and Phi Chi Theta, national professional business fraternities; Financial Management Association National Honor Society; Omicron Delta Epsilon, national honorary society in economics; Rho Epsilon, professional fraternity in real estate; Sigma Iota Epsilon, both an honorary and a professional fraternity; Sigma Psi Alpha, accounting fraternity; the Society for the Advancement of Management (SAM); and Student Data Processing Chapter of DPMA. Representatives from these organizations and other appointed students constitute the Business Student Advisory Council, which works with and advises the Dean on many student-related matters.

Financial Assistance

There are several scholarships which are designated for College of Business Administration students as well as other awards for which business students are eligible. Inquiries concerning scholarships and other forms of financial aid should be directed to the Director of Financial Aid, Southern Station, Box 5101, Hattiesburg, MS 39406-5101.

Graduate Studies

Undergraduate students who want to consider pursuing a graduate business degree should consult with the Assistant to the Dean. Admission to graduate business programs at USM is based on the undergraduate grade point average and the score on the Graduate Management Admission Test or GMAT. MAT 312 is a prerequisite for graduate business study. Applicants who have non-business undergraduate majors will be required to take foundation coursework in business prior to beginning their graduate business curriculum.

CURRICULUM: FIRST- AND SECOND-YEAR COURSE REQUIREMENTS FOR ALL COLLEGE OF BUSINESS ADMINISTRATION MAJORS

The business administration curriculum for the first two years (listed below) consists primarily of non-business courses which provide intellectual breadth and thereby complement the specialized studies that follow.

The College of Business Administration considers certain courses in English, mathematics, and science, among others, to be remedial and therefore will not apply them in meeting degree requirements; advisers can assist students in identifying these courses.

There are special restrictions on correspondence and extension credits and on credit by examination. Students who are interested in these possibilities should refer to the "General Academic Regulations" section of this **Bulletin** and should obtain **prior** approval from the Dean's Office to assure that correspondence, extension, and examination credits will be applicable toward a College of Business Administration degree.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts Elective*	3
FN 167	1
HIS 101, 102	6
Honors Colloquium*	1
MAT 101, 102	6
PED 105	1
Science Laboratory Courses*	8
	32

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
ANT 221	3
BA 200	3
ECO 201, 202	6
ENG 203	3
MIS 201, 202	2
PSY 110	3
SOC 101	3
Speech Communication*	3
General Elective*	3
	32

*The following are acceptable course options to meet the requirements above:

Fine Arts: AA 100, ART 130, MUS 365, or THE 100
Honors Colloquium: HON 321 or 322
Science Laboratory Courses: BSC 103/103L, BSC 107/107L, BSC 108/108L, CHE 104/104L, or other laboratory science approved in General Education Curriculum.
Speech Communication: SCM 111 or 320
General Elective: International Business students should take foreign language course; Accounting majors should take ACC 250.

SCHOOL OF PROFESSIONAL ACCOUNTANCY

James R. Crockett, Director
Hattiesburg, MS 39406-5178
(601) 266-4641

Albin, S. Clark, DePree, Estes, L. Gore, Henderson, C. Jordan, J. King, J. Morgan, Pate, P. Polk, Posey, Staniszewski, Torres, R. Williams

The School of Professional Accountancy offers an undergraduate program which is designed to prepare students for a variety of entry-level positions in public accounting, industry, and government. The basic program is intended to prepare students for professional careers in which a depth and breadth of business and accounting knowledge is required. Students who aspire to professional certification should pursue this program. A second program which is designated as an emphasis in Accounting-Information Systems is a broader program which includes more study of management information systems and less in accounting. Students in the Accounting-Information Systems emphasis would normally seek entry-level employment in the data processing departments of business and government organizations.

As the knowledge required to practice accounting is expanding rapidly, many students are finding it desirable to pursue a fifth year of study leading to a Master of Professional Accountancy (MPA). Both the Accounting major and the Accounting-Information Systems emphasis are integrated with the MPA program. See the **Graduate Bulletin** for admission and curriculum requirements.

A grade of **C** or better in certain prerequisite courses is required before students can progress to higher level accounting courses. Details of this requirement are found in the course descriptions section of this **Bulletin**.

REQUIREMENTS FOR A MAJOR IN ACCOUNTING

Accounting Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 301, 302, 320, 330	12
BA 301, 302	6
MGT 300, 350	4.5
MIS 300	3
MKT 300	3
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
ACC 401, 407, 409	9
BA 400, 411	4.5
BED 480	3
FIN 300	3
FL 401	3
GHY 341	3
MGT 400	3
General Electives	4
	32.5

TOTAL: 128

Accounting-Information Systems Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 301, 302, 320	9
BA 301, 302	6
CSS 242	3
MGT 300, 350	4.5
MIS 300, 309	6
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
ACC 330, 409	6
BA 400	1.5
BED 480	3
FIN 300	3
FL 401	3
GHY 341	3
MGT 400	3
MIS 310	3
MKT 300	3
General Electives	4
	32.5

TOTAL: 128

DEPARTMENT OF ECONOMICS AND INTERNATIONAL BUSINESS

George H. Carter, Chair
Hattiesburg, MS 39406-5072
(601) 266-4648

Black, Cameron, T. Green, Klinedinst, E. Lewis, McQuiston, Niroomand, Nissan, Sawyer, Stroo, Vogel, Whitesell, D.C. Williams, Wimberly

The Economics major is designed to prepare students for positions in business, government, or education. For those who are interested in careers in international business, a major in economics with an emphasis in international business is also available. The courses comprising the major equip the student for the analysis of many of the economic problems and issues with which middle- and upper-level managers and administrators must deal. The four-year program provides the requisite skills for entry-level positions and the foundation for graduate study in economics or in areas such as law, public administration, and various business disciplines.

A Bachelor of Arts in Economics is also available; see Department Chair for details.

REQUIREMENTS FOR A MAJOR IN ECONOMICS

Economics Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301, 302	6
ECO 305, 340, 345	9
MGT 300, 350	4.5
MIS 300	3
MKT 300	3
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
ECO 435, 450, 493	9
ECO Elective*	3
FIN 300	3
FL 401	3
GHY 341	3
MAT 312	3
MGT 400	3
General Elective	1
	32.5
TOTAL:	128

*ECO Elective must be numbered 300 or above.

International Business Emphasis**

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301, 302	6
ECO 340, 345	6
FIN 472	3
MGT 300, 350	4.5
MIS 300	3
MKT 300	3
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
ECO 435	3
ECO Elective***	3
FIN 300	3
FL 401	3
GHY 341	3
IB 472	3
MGT 400	3
MGT 495 or MKT 495	3
Directed Elective**	3
General Elective	1
	32.5
TOTAL:	128

**International Business Emphasis students take two three-hour courses of foreign language in the Sophomore Year instead of ANT 221 and General Elective. Students who speak English as a second language take ANT 221 as the Senior Year Directed Elective. Students who speak English as their native language take a third three-hour course in foreign language as the Senior Year Directed Elective.

***ECO 413, 436, 440, 470 or a College of Business Administration course offered through the College for International and Continuing Education.

Requirements for a Minor in Economics

Non-business students minoring in Economics must complete twenty-one (21) hours as follows: ACC 200; ECO 201, 202; and twelve (12) hours from BA 200 (strongly recommended), BA 301, 302; ECO 305, 310, 330, 335, 340, 345, 401, 413, 435, 436, 440, 450, 465, 470, 480.

DEPARTMENT OF FINANCE AND GENERAL BUSINESS

Donnie L. Daniel, Chair
Hattiesburg, MS 39406-5076
(601) 266-4636

Cartee, Cockerham, C. Dennis, Hamwi, E. King, R.T. King, Lindley, Madaris, Ruegger, Sackley, Sirmon

This department offers majors in the areas of Banking and Finance or Business Administration. Emphasis areas within the Banking and Finance major are offered in Banking and Finance, Real Estate, and Insurance. Each curriculum stresses education in theory, tools of analysis, and problem-solving techniques that are fundamental to firms operating in the Finance, Real Estate and Insurance industries. Students choosing the Finance emphasis are prepared for careers with banks and other financial institutions, securities firms, large industrial corporations, as well as the government agencies that oversee the financial sector. The Business Administration major is a broad, nonspecialized major which prepares students to begin careers in a wide range of businesses. It is designed for those students wishing to pursue business careers but who do not wich to specialize in one particular aspect of business.

A grade of C or better is required in certain prerequisite courses before the student can progress to higher level Finance courses.

REQUIREMENTS FOR A MAJOR IN BANKING AND FINANCE

Banking and Finance Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301	3
BA 302	3
FIN 300*	3
FIN 310	3
MAT 312	3
MGT 300	3
MGT 350	1.5
MIS 300	3
MKT 300	3
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FIN 352*	3
FIN 472 or 498, 480	6
FL 401	3
GHY 341	3
MGT 400	3
Select 2 courses FIN 350, 392, 462, REI 432	6
Select 1 course REI 325, 326, BA 410, 411	3
General Elective	1
	32.5
TOTAL:	128

*Students must pass this course with a grade of C or better before progressing to any finance course requiring this course as a prerequisite.

Real Estate Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301	3
BA 302	3
BA 411 or MAT 312	3
FIN 300*	3
MGT 300	3
MGT 350	1.5
MIS 300	3
MKT 300	3
PHI 300	3
REI 330	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FIN 310, 352, 480	9
FL 401	3
GHY 341	3
MGT 400	3
REI 340, 432, 434	9
General Elective	1
	32.5
TOTAL:	128

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301	3
BA 302	3
FIN 300*	3
MAT 312 or MKT 330	3
MGT 300	3
MGT 350	1.5
MIS 300	3
MKT 300	3
PHI 300	3
REI 325	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FIN 310, 320, 352	9
FL 401	3
GHY 341	3
MGT 400	3
REI 326	3
REI 425 or 450	3
REI 445, 450, 498 or FIN 392	3
General Elective	1
	32.5
TOTAL:	128

*Students must pass this course with a grade of C or better before progressing to any finance course requiring this course as a prerequisite.

Requirements for a Minor in Insurance

Non-business students minoring in Insurance must complete eighteen (18) hours as follows: ACC 200; ECO 201; REI 325; and nine (9) hours from BA 200 (strongly recommended); FIN 392; REI 326, 425, 445, or 450.

REQUIREMENTS FOR A MAJOR IN BUSINESS ADMINISTRATION

Business Administration Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301	3
BA 302	3
ECO 330	3
MGT 300	3
MGT 350	1.5
MGT 364	3
MIS 300	3
MKT 300	3
PHI 300	3
General Elective	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
ECO 435 or 498	3
FIN 300, 320	6
FL 401	3
GHY 341	3
MGT 400	3
Major Electives	9
Select one of the following:	
Group 1: ECO 305, 335, 345	
Group 2: FIN 350, 352, 480	
Group 3: MGT 454, 455, 480	
Group 4: MIS 309, 310, 320	
Group 5: MKT 330, 424, 442	
Group 6: REI 325, 326, 425	
Group 7: REI 330, 340, 434	
General Elective	1
	32.5
TOTAL:	128

Requirements for a Minor in Business Administration

Non-business students minoring in Business Administration must complete twenty-one (21) hours as follows: ACC 200; ECO 201; and fifteen (15) hours from BA 200 (strongly recommended); ECO 202, 330; FIN 300; MGT 300; MIS 300; MKT 300.

DEPARTMENT OF MANAGEMENT

Stephen C. Bushardt, Chair
Hattiesburg, MS 39406-5077
(601) 266-4673

B. Allen, Boothe, Brooking, J.L. Davis, Duhon, Hunt, Topping, J. Vest, M. Vest, D. Wolfe

The programs of study in Management have three objectives: (1) to provide students with concepts, knowledge, and skills required in the effective management of profit-making enterprises, government institutions, and non-profit service organizations; (2) to prepare the student for employment which will lead to positions of managerial responsibility; and (3) to make education in general management available to students pursuing technical, educational, and professional careers.

Students interested in majoring in Management may elect to emphasize study in Management or Production/Operations Management. The Management major places emphasis upon an overall view of the organization in which the student obtains a thorough knowledge of management concepts and techniques and develops executive skills necessary for effectiveness in the administrative world. The Production/Operations Management emphasis provides instruction in quantitative analysis, material handling, quality standards, and manufacturing resource planning.

Careers in management are available in industry, government, service organizations, and teaching. The students' education and training will, when coupled with additional maturity and experience, serve to further their careers in more responsible management positions such as production or plant manager, labor relations director, or personnel administrator.

REQUIREMENTS FOR A MAJOR IN MANAGEMENT

Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301, 302	6
FIN 300	3
MIS 300	3
MKT 300	3
MGT 300, 350, 364	7.5
PHI 300	3
General Elective	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FL 401	3
GHY 341	3
MGT 400, 454, 465, 495	12
Management Electives	9
MGT 455, 468, 472, 475, or 480	
General Elective	1
	32.5
TOTAL:	128

Production/Operations Management Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301, 302	6
FIN 300	3
MAT 312	3
MIS 300	3
MKT 300	3
MGT 300, 350, 364	7.5
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FL 401	3
GHY 341	3
MGT 400, 454, 465	9
MGT 482, 495	6
Management Electives	6
MGT 472; MIS 310; MKT 370	
General Elective	1
	32.5
TOTAL:	128

Requirements for a Minor in Management

Non-business students minoring in Management must complete twenty-one (21) hours as follows: ACC 200; ECO 201; MGT 300; and twelve (12) hours from BA 200 (strongly recommended); MGT 364, 454, 455, 465, 468, 472, 475, 480, 495.

DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS

Stan Lewis, Director

Hattiesburg, MS 39406-0064

(601) 266-5497

Amini, Beidler, R. Caveny, Goss, Hsieh, Magruder, Masters

This department offers a major in Management Information Systems. The degree program is patterned after the Data Processing Management Association (DPMA) model for information systems education. Excellent career opportunities exist in management information systems for persons who have good academic records, are energetic and ambitious, and seek challenging work. The program is primarily oriented toward applications programming and systems analysis work for large commercial and governmental organizations. Career opportunities also exist in computer training, computer sales, and microcomputer systems design and applications.

REQUIREMENTS FOR A MAJOR IN MANAGEMENT INFORMATION SYSTEMS

Management Information Systems Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301, 302	6
CSS 242	3
MGT 300, 350	4.5
MIS 300, 309, 310	9
MKT 300	3
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FIN 300	3
FL 401	3
GHY 341	3
MGT 400	3
MIS 315, 320, 401, 406, 412	15
General Elective	1
	32.5

TOTAL: 128

Requirements for a Minor in Management Information Systems

Non-business students minoring in Management Information Systems must complete twenty (20) hours as follows: ACC 200; ECO 201; MIS 201; MIS 202; and twelve (12) hours from BA 200; (strongly recommended), MIS 300, 302, 310, 320, 401, 406.

DEPARTMENT OF MARKETING

Alvin J. Williams, Chair

Hattiesburg, MS 39406-5091

(601) 266-4627

B. Babin, L. Babin, Busbin, Fraiser, Henthorne, Ivy, Loyd, Reidenbach, Robin, Schoell, W. Smith

Marketing is a major concern of all businesses and a growing number of non-profit organizations. The goals of the marketing program are to: (1) prepare students for entry-level positions in marketing; (2) provide the background necessary to advance to higher level marketing management positions; and (3) develop executive skills that are critical for success in all business occupations. It is necessary, therefore, that the student not only learn marketing concepts but also develop the ability to: (1) think creatively; (2) solve problems; (3) communicate orally and in writing; and (4) understand and work with people.

Marketing courses are taught in such a way that the student obtains a thorough knowledge of marketing principles and techniques and develops the executive skills needed to apply them in the business world.

Students in the department major in Marketing and, through course selection and advisement, they choose courses that may lead to careers in marketing management, sales management, advertising, retailing, purchasing, and related fields. The marketing management area allows students to select a general marketing curriculum as preparation for careers as marketing officers in small firms. It is also appropriate for graduate work. Courses supporting the sales management area are designed to prepare students for professional sales and sales management positions with major manufacturers, wholesalers, and multinational corporations. The course sequence specifies courses which are geared to the skills and knowledge necessary to enter these fields. Students interested in pharmaceutical sales careers should discuss this option with their advisers early in their academic careers. The retail management area prepares students for retail management positions with regional and national retail firms. It is also appropriate for students who want to become entrepreneurs and own businesses. Students selecting courses in the advertising area are prepared for employment as account executives, promotional managers, and advertising managers for firms in the retailing and manufacturing sectors. The purchasing management area prepares students for careers in industrial, institutional, and governmental purchasing.

Upon graduation, marketing majors obtain employment as sales representatives, purchasing managers, advertising technical or managerial personnel, and retail store owners, managers, or buyers. With experience or graduate training, graduates move into marketing research, product management, or marketing management positions. Career opportunities are numerous since more than half of all American workers are employed in the marketing of products and services.

REQUIREMENTS FOR A MAJOR IN MARKETING

Marketing Emphasis

JUNIOR YEAR	SEM. HRS.
ACC 300	3
BA 301, 302	6
MAT 312 or PSY 450	3
MGT 300	3
MGT 350	1.5
MIS 300	3
MKT 300	3
MKT 322	3
MKT 330, 355, or 370	3
PHI 300	3
	31.5

SENIOR YEAR	SEM. HRS.
BA 400	1.5
BED 480	3
FIN 300	3
FL 401	3
GHY 341	3
MGT 400	3
MKT 365, 424, 428	9
MKT 380, 442, or 495	3
MKT 430 or 458	3
General Elective	1
	32.5

TOTAL: 128

Requirements for a Minor in Marketing

Non-business students minoring in Marketing must complete twenty-one (21) hours as follows: ACC 201; ECO 201; MKT 300; and twelve (12) hours from BA 200 (strongly recommended); MKT 330, 355, 365, 370, 380, 430, 442, 458, 495.

COLLEGE OF EDUCATION AND PSYCHOLOGY
ACADEMIC OFFERINGS
1992-1993

Changes in teacher education certification have recently been mandated by the Mississippi State Department of Education. Existing teacher education programs as presented in this **Bulletin** are subject to change contingent on formal university approval. Please consult your academic adviser for alterations pending in this program.

Department	Major	Degree**
BUSINESS AND INDUSTRIAL EDUCATION		
	BUSINESS EDUCATION	BS
	Administrative Support Services Emphasis	
	Bilingual Administrative Support Services Emphasis	
	Business Teacher Education Emphasis	
	Court Reporting Emphasis	
	Distributive Education Emphasis	
	Office Management Emphasis	
	INDUSTRIAL ARTS EDUCATION*	BS
	INDUSTRIAL TECHNOLOGY*	BS
	INDUSTRIAL AND VOCATIONAL EDUCATION	BS
	Technical Education Emphasis	
	Trade and Industrial Emphasis	
COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION		
	SOCIAL AND REHABILITATION SERVICES*	BS
CURRICULUM AND INSTRUCTION		
	ELEMENTARY EDUCATION	BS
	SECONDARY EDUCATION*	BS
PSYCHOLOGY		
	PSYCHOLOGY*	BA, BS
SPECIAL EDUCATION		
	SPECIAL EDUCATION	BS
	Mental Retardation Emphasis	
	Specific Learning Disabilities Emphasis	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

COLLEGE OF EDUCATION AND PSYCHOLOGY

James O. Schnur, Dean
W. Bruce Holliman, Assistant Dean
Hattiesburg, MS 39406-5023
(601) 266-4568
Paul Peddicord, Assistant Dean
Summer Program for Graduate Education
Hattiesburg, MS 39406-8206
(601) 266-4477

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education, the Teacher Education Council of State Colleges and Universities, and the Southern Regional Consortium of Colleges of Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). For details of graduate teacher education programs, consult the **Graduate Bulletin**. For degrees offered by each department, please see the previous page.

PURPOSES

The purposes of the College of Education and Psychology are: (1) to prepare teachers for the public schools, colleges and universities; (2) to offer non-teaching degree programs on the undergraduate level in business education, industrial technology, psychology, and social and rehabilitation services (for graduate level non-teaching degree programs consult the **Graduate Bulletin**); (3) to provide clinical and professional services to the public schools of Mississippi and the University; and (4) to promote educational and psychological research.

These purposes are achieved through: (1) the work of the various departments in the College; (2) clinics and offices for professional services; (3) cooperation with the public schools; and (4) cooperation with other colleges and schools of the University in the development of teacher education programs that meet requirements for Mississippi certification, Southern Association of Colleges and Schools, and National Council for Accreditation of Teacher Education approval.

ADMISSION REQUIREMENTS

Any student who satisfies admission requirements to The University through the Office of Admissions and Records is eligible for admission to the College of Education and Psychology.

Admission to the College of Education and Psychology does not constitute admission to a teacher education program nor to a non-teaching major program. Program planning and proper advisement must be completed to gain admission to both Teacher Education Programs and Non-Teaching Programs. Regular status in the College of Education and Psychology is maintained by meeting the quality point requirements for hours completed as designated by the general University requirement and evaluated by the Office of Admissions and Records.

GENERAL CORE, COLLEGE OF EDUCATION AND PSYCHOLOGY

The core of the College of Education and Psychology builds on the University core. For degree programs leading to teacher certification, the following courses must be completed to meet both the University core and state certification requirements:

Biological Science with laboratory	4 hrs.
ENG 101 and 102	6 hrs.
ENG 203	3 hrs.
**English Elective	3 hrs.
Fine Arts Elective	3 hrs.
*FN 167	1 hr.
HIS 101 and 102	6 hrs.
MAT 101	3 hrs.
Mathematics or Science Elective	3 hrs.
*PED 105	1 hr.
PSY 110, 110L	3 hrs.
Physical Science with laboratory	4 hrs.
SCM 111, 305, or 330	3 hrs.

Social Science Electives .....6 hrs.
**Social Science Elective .....3 hrs.
(Social Science block with no more than 3 hours from any one area: anthropology, economics, geography, political science, sociology)

*Does not count toward teacher education admissions grade point average
**May be counted toward Science deficiency attributed to 3 hour science labs for admissions grade computation only.

TEACHER EDUCATION PROGRAMS AND REQUIREMENTS

One of the primary functions of the College of Education and Psychology is that of coordinating the teacher education programs for the University. The following objectives were formulated to accomplish this function:

1. Attract students who desire to make teaching a career.
2. Acquaint prospective teachers with all phases of the profession.
3. Provide programs of basic studies and pre-teaching activities which will ensure an acceptable level of teaching knowledge and skill in an area of specialization.
4. Make available to students the educational resources and support services needed to complement their instructional program.
5. Maintain a continuous counseling service which will help to guide students in the proper selection of courses for their personal and professional development.
6. Sustain an orderly system of selecting and retaining individuals who perform at or above standards required by the Teacher Education Council.
7. Encourage both instructors and students to visit and observe local schools in day-to-day operations.
8. Study, screen, and assign students to school classrooms where qualified teachers can provide certain pre-teaching experiences.
9. Aid students in obtaining state certification in their area or areas of specialization.
10. Help students make appropriate career decisions.
11. Provide prospective employers with proper information regarding students' performance at the University.
12. Utilize a system of follow-up of students' performance as classroom teachers.
13. Provide staff members to local school inservice programs which are designed especially for staff and/or curriculum improvement.

Policy Concerning Admission to Teacher Education Programs

Students who desire to be admitted to a professional teacher education program (not just admitted to a college, school, or department of education) at an institution under the governance of the Board of Trustees of State Institutions of Higher Learning must have first successfully passed the Communication Skills and General Knowledge subscales of the National Teacher Examination (NTE). This will be used to determine the students' command of the basic skills and general education knowledge. These students would typically be in their sophomore year and would be preparing to begin the normal sequence of professional education courses in their junior year. Of equal importance is the satisfaction of a 2.50* grade point average on a restricted 44 hour general core. This is a requirement of the Mississippi State Department of Education.

***NOTE:** Elementary education majors and students who select the secondary education major (plans II and III) must demonstrate a 2.65 grade point average on the 44 hour core.

Criteria for Admission to Teacher Education Programs

All applicants must be approved for admission to teacher education programs. Individuals who desire to pursue a Teacher Education Program should file a Teacher Education Admissions Statement by:

1. Obtaining the Teacher Education Admissions Statement Form (ED 8b) from the College of Education and Psychology Dean's Office.
2. Having the Administrative Assistant for School Personnel Certification check the Teacher Education Admissions Statement in the Dean's Office, College of Education and Psychology.

Upon receiving the required forms, the Dean's Office will initiate a file for the student. Once this sequence is accomplished successfully, a **T.E.** should be evidenced each semester on the Registration Appointment Form. This symbol indicates to all advisers involved that a Teacher Education Admission Form has been checked and filed in the College of Education and Psychology Dean's Office.

Criteria which must be met for tentative approval include the following:

1. An overall 2.50* grade point average based on a minimum of 44 semester hours general core requirement.
2. At least a C average in first year English.
3. Pass an admissions test according to standards set by the Board of Trustees of State Institutions of Higher Learning.

***NOTE:** Elementary education majors and students who select the secondary education major (plans II and III) must demonstrate a 2.65 grade point average on the 44 hour core.

Criteria for Admission to Teacher Education Programs

All teacher candidates must complete all graduation requirements set forth in the general University regulations as well as: (1) complete all program requirements outlined in the official Admission Form (Ed 8b); (2) earn a grade of C or higher in all professional education courses included in the respective teaching programs; and (3) earn a grade of C or higher in all courses related to the area of certification.

All teacher candidates must complete the professional education core courses. This professional education core is to be completed in the following sequence:

BASIC CORE

PSY 374 ..... 3 hrs.
REF 400 ..... 3 hrs.
REF 469 ..... 3 hrs.
SPE 400 ..... 3 hrs.

ADVANCED CORE

Area Methods Course ..... 3 hrs.
CIE/CIS 474 ..... 1 hr.
CIE/CIS 475 ..... 1 hr.

RECITAL

CIE/CIS 476 ..... 3 hrs.
Student Teaching ..... 12 hrs.

The Basic Core Exam reviewing Basic Core coursework must be passed prior to enrolling in the Advanced Core coursework. Multiple assessments with the Mississippi Teacher Assessment Instrument (MTAI) will be conducted during the student teaching experience.

Teaching Certification

Students preparing to teach must choose a teaching area from one of the following: Elementary Education (K-8), Secondary Education (7-12), or Special Areas (K-12).

The student should note that teacher state certification requirements supersede the program requirements listed in this **Bulletin.** Mandated changes in program requirements will be communicated through the student's academic adviser.

To prepare for a career in secondary education the student will secure an academic major in an area of teacher certification along with a secondary education major or minor. In addition to the aforementioned, the student should refer to additional general and professional requirements listed under the Secondary Education Section (see Department of Curriculum and Instruction).*

Additionally, the **National Teacher Examinations** must be taken by all who seek a teaching certificate. Results must be forwarded to the State Department of Education.

NOTE: Elementary education majors and students who select the secondary education major (plans II and III) must demonstrate a 2.65 grade point average on the 44 hour core.

Requirements for Teaching Degrees

It is permissible for a student to graduate from any college or school that offers a teaching major. However, all students who desire to become teachers must apply for admission to the Teacher Education Program in the College of Education and Psychology and be screened according to the preceding admission standards.

Requirements for Non-Teaching Degrees

The College of Education and Psychology offers major programs in psychology, business and industrial education with emphases in office management, administrative support services, bilingual administrative support services, and court reporting, social and rehabilitation services, and industrial vocational areas leading to the Bachelor of Science non-teaching degree. Students in psychology may take programs leading to the Bachelor of Arts degree.

Bachelor of Arts (Non-Teaching)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) hours in a foreign language. Those students who have completed two years of the same language in high school and make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above.

Major Requirements and Electives

Students should consult with their major departments concerning the major and/or minor requirements and electives which constitute the balance of the degree requirements.

SPECIAL SCHOOL SERVICES

OFFICE OF EDUCATIONAL FIELD EXPERIENCES

Gloria A. Slick, Director

Hattiesburg, MS 39406-5028

(601) 266-4571

The basic purpose of the student teaching program is to provide all students in teacher education with opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching program provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of Student Teaching. Supervision is provided by cooperating school personnel and faculty members of the University.

Each student must follow the procedure listed below in submitting his or her application for student teaching.

Requirements for Student Teaching

Application:

Formal application must be submitted to the Office of Educational Field Experiences at the beginning of the semester prior to the student teaching semester. Applications for student teaching in the spring semester must be in the Student Teaching Office no later than September 30, or February 28 for fall semester student teaching.

ALL STUDENTS MUST REGISTER FOR STUDENT TEACHING THROUGH USM.

All student teachers:

1. Must have completed a minimum of eighty-eight (88) semester hours of college work.
2. Must have completed a minimum of twenty-one (21) semester hours in their major field, six (6) of which must have been taken in residence in this institution.
3. Must have at least a 2.50 overall average at the time they submit their application.
4. Must have been admitted to a teacher education program.
5. Must expect to spend the required time in off-campus schools designated by the Director of Educational Field Experiences.

STUDENT TEACHING SEMESTER: Candidates for student teaching must submit documented evidence of a 2.50 overall average at the time of application and at the time of student teaching.

Candidates for student teaching in the elementary school must have completed the following courses—REF 400, 469; CIE 300, 301, 305, 306, 309, 343, 407, 474, 475; PSY 370, 374; SCE 432; and SPE 400.

Candidates for student teaching in the secondary school must have completed REF 400, 469; CIS 474, 475; SPE 400; PSY 374; and special methods courses listed as CIS 451-465.

Candidates for student teaching in Special Education must have completed PSY 374; REF 400, 469; thirty (30) semester hours in SPE; and CIE 474, 475.

Registration in the Student Teaching semester is restricted to 15 hours (Student Teaching for 12 hours and the Professional Development Seminar for 3 hours).

PSYCHOLOGY CLINIC

B. Jo Hailey, Director

Hattiesburg, MS 39406

(601) 266-4588

The Psychology Clinic, maintained by the Department of Psychology for the purpose of training advanced students in clinical psychology, provides comprehensive psychological services to USM students, faculty and staff, and to the public. Several types of psychological therapy are available, including behavior modification, biofeedback training, psychodynamic, and insight oriented psychotherapy. Diagnostic testing and behavioral assessment of the type commonly conducted by clinical psychologists is also provided. Intelligence testing, general personality assessment, and neuropsychological evaluations comprise the most frequent type of assessment activities. Such services are frequently conducted at the Clinic in response to referrals from physicians and other professionals in the Hattiesburg community, although requests for services may be made directly and without referral.

MATHEMATICS EDUCATION SERVICES CENTER

The Director

Hattiesburg, MS 39406

(601) 266-4547

The Mathematics Education Services Center operated by the Department of Curriculum and Instruction offers a program of diagnostic assessment and follow-up prescriptive teaching for elementary-age children throughout the academic year.

The cost of these services per semester are as follows:

1. $35.00 - Diagnostic Assessment
2. $135.00 - Prescriptive Teaching

THE READING ENRICHMENT CENTER

Dana G. Thames, Director

Hattiesburg, MS 39406

(601) 266-5247

The primary responsibility of the Reading Center is in promoting effective teacher education for elementary and secondary students in methods, techniques, and materials in reading and language arts. Focus of the programs is at the undergraduate, master's and advanced graduate levels emphasizing theory, practice, evaluation, and research. The Reading Center is able to offer limited services in the diagnosis of reading problems and remedial reading to children referred to the Center. The cost of the diagnostic evaluation which includes a suggested program of remedial procedures is $75.00, or a proportionate part, based on ability to pay. Remedial instruction, provided by a graduate or undergraduate student on a limited basis, is $45.00 per semester.

An up-to-date collection of materials used for elementary, secondary, or adult reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through enrolling in the Center's "Improvement of Study" course.

An annual reading conference is held each year in the spring or summer. Nationally known reading authorities are featured on the program.

EDUCATION SERVICE CENTER

Johnny R. Purvis, Director

Hattiesburg, MS 39406-5068

(601) 266-4559

The general purpose of the Education Service Center (ESC) is to improve education in Mississippi. More specifically, through the Center's activities, efforts are made to utilize University and local school districts' resources in helping solve educational problems and to promote general improvement in the quality of education in the state. The Center serves as a field services division for the College of Education and Psychology and strives to promote cooperative interaction between the University and the school districts, stimulate the exchange of ideas and successful educational practices, promote cooperative research leading to the

solution of problems, disseminate ideas and information, conduct and sponsor workshops and seminars, help arrange for consultative services to the schools, and in general, serve as a cooperative planning and development unit through which the University and the schools can be more effective in serving the educational needs of their constituents. The Center is the umbrella organization for the Southern Education Consortium (SEC).

COUNSELING PSYCHOLOGY LABORATORY

William J. Lyddon, Director

Hattiesburg, MS 39406-5012

(601) 266-4601

The Counseling Psychology Laboratory, a training clinic of the Department of Counseling Psychology and Counselor Education, is designed to assist individuals whose problems fall within the realms of educational planning, vocational or career decision-making, personal-social adjustment, and marriage and family counseling. It serves two purposes: (1) to offer professional assistance to persons seeking such services; and (2) to provide qualified graduate students the opportunity to observe and apply theoretical concepts under the supervision of faculty.

The Laboratory is available to anyone of any age, students or general public, whose problems fall within the scope of the services outlined above. These services are not restricted to any particular area nor to any particular group.

The staff of the Counseling Psychology Laboratory is composed of members of the teaching faculty of the Department of Counseling Psychology and Counselor Education and graduate students under their supervision. Faculty members are licensed psychologists.

APPLIED GERONTOLOGY EDUCATIONAL SERVICES

W. Lee Pierce, Coordinator

Hattiesburg, MS 39406-5154

(601) 266-4621

The University of Southern Mississippi's Office of Applied Gerontology Education Services exists to coordinate the following University functions in the field of gerontology:

1. Graduate education for professionals.
2. Staff development programs for professionals and paraprofessionals.
3. Consultation and community services.
4. Research.
5. Sensitization of the general public to the status and future of the elderly in the community.

DEPARTMENT OF BUSINESS AND INDUSTRIAL EDUCATION

William B. Burns, Chair

Hattiesburg, MS 39406-5036

(601) 266-4446

Abbott, Boyte, Conerly, Hagler, Lackey, Lanmon, Yuen

The Department of Business and Industrial Education offers a curriculum leading to the Bachelor of Science degree with majors available in several areas of study.

The Business Education major offers students a choice of two teacher education emphasis areas: business teacher education and distributive education. Also available through the Business Education program are four non-teaching emphasis areas: administrative support services, bilingual administrative support services, court reporting, and office management.

The Industrial Education component of the Department offers baccalaureate programs in Industrial Technology (non-teaching), Industrial Arts Education, and Industrial and Vocational Education. Students majoring in Industrial and Vocational Education may choose between two emphasis areas: trade and industrial or technical education.

Through these diversified degree programs, the Department serves a dual role: providing salable skills to students who desire a career in business or industry and training teachers of business and industrial subjects.

In addition to the undergraduate programs, the Department offers graduate programs in both Business Education and Industrial and Vocational Education. For a description of programs leading to the master's, specialist's, and doctoral degrees, please consult the **Graduate Bulletin.**

BUSINESS EDUCATION PROGRAMS

Donna L. Conerly, Coordinator
Hattiesburg, MS 39406-5036
(601) 266-4665

REQUIREMENTS FOR A MAJOR IN BUSINESS EDUCATION

Business Teacher Education Emphasis

Comprehensive Option

Students desiring entry into secondary teacher education programs must successfully complete the COMP (College Outcome Measures Program) Test or the General Knowledge and Communication Skills segments of the NTE (National Teacher Examination) according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
Select 2 from: PS 101, SOC 101, GHY 101	6
	33

SOPHOMORE YEAR	SEM. HRS.
ACC 200, 300	6
BED 104, 108, 202	7
ECO 201	3
English (Intermediate) 203, 301 or 332	6
Laboratory Science (physical)	4
MIS 201, 202	2
PSY 110, 110L	3
Select 1 from: SCM 111, 305, or 330	3
	34

JUNIOR YEAR	SEM. HRS.
BED 300, 302, 305, 310, 352	15
MGT 300	3
PSY 374	3
REF 400, 469	6
SPE 400	3
Mathematics or Science Elective	3
	33

SENIOR YEAR	SEM. HRS.
BED 452, 453, 456, 465, 485	15
CIS 474, 475, 476, 481	17
MKT 300	3
	35
TOTAL:	135

Business Teacher Education Emphasis

Information Processing Option

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102, 104, 108	7
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
Select 1 from: SCM 111, 305, or 330	3
	34

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
ECO 201	3
English (Intermediate) 203, 301 or 332	6
Laboratory Science (physical)	4
Mathematics or Science Elective	3
MIS 201, 202	2
PSY 110, 110L	3
Select 2 from: PS 101, SOC 101, GHY 101	6
	30

JUNIOR YEAR	SEM. HRS.
BED 302, 352, 362, 460	12
MIS 300	3
MKT 300	3
PSY 374	3
REF 400, 469	6
SPE 400	3
	30

SENIOR YEAR	SEM. HRS.
BED 450, 452, 453, 456, 465, 485	18
CIS 474, 475, 476, 481	17
	35
TOTAL:	129

Distributive Education Emphasis

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (1 physical, 1 biological)	8
MAT 101	3
PED 105	1
PSY 110, 110L	3
	31

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
BA 200	3
BED 101 or 102, 104, 108	7
ECO 201	3
English (Intermediate) 203, 301 or 332	6
Mathematics or Science Elective	3
Select 2 from: PS 101, SOC 101, GHY 101	6
Select 1 from: SCM 111, 305, or 330	3
	34

JUNIOR YEAR	SEM. HRS.
BED 302, 452, 453	9
MIS 201, 202	2
MKT 300, 330	6
PSY 374	3
REF 400, 469	6
SPE 400	3
	29

SENIOR YEAR	SEM. HRS.
BED 454, 455	6
CIS 474, 475, 476, 481	17
MGT 300 or 454, 364	6
MKT 342, 355	6
	35
TOTAL:	129

Office Management Emphasis*

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Sciences (1 physical, 1 biological)	8
PED 105	1
PSY 110, 110L	3
	31

SOPHOMORE YEAR	SEM. HRS.
ACC 200, 300	6
BED 104, 108, 200	7
ECO 201	3
English (Intermediate) 203 and 300, 301 or 332	6
MAT 101	3
Select 2 courses from: SOC 101, GHY 101, PS 101	6
Select 1 course from: SCM 111, 305, or 330	3
	34

JUNIOR YEAR	SEM. HRS.
BA 200	3
BED 300, 302, 310, 352, 362	15
Electives	6
Mathematics or Science Elective	3
MGT 300	3
MIS 201, 202	2
	32

SENIOR YEAR	SEM. HRS.
BED 450, 460, 480, 485	12
Electives	6
MGT 364, 454, 468	9
MIS 300	3
	30
TOTAL:	128

*Electives cannot be chosen from courses offered in the College of Business Administration.

Bilingual Administrative Support Services Emphasis

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
ANT 101	3
BED 102	3
ENG 101, 102	6
FN 167	1
Foreign Language	6
Laboratory Sciences (1 physical, 1 biological)	8
MAT 101	3
PED 105	1
PSY 110, 110L	3
	37

SOPHOMORE YEAR	SEM. HRS.
BED 104, 108, 200, 202	10
ECO 201	3
English (Intermediate) 203 and 300, 301 or 332	6
Foreign Language	6
GHY 101	3
HIS 101, 102	6
Select 1 course from: SCM 111, 305, or 330	3
	37

JUNIOR YEAR	SEM. HRS.
ACC 200, 300	6
BA 200	3
BED 300, 302, 305, 310, 352	15
Elective	3
Foreign Language	6
MGT 300	3
MIS 201, 202	2
	38

SENIOR YEAR	SEM. HRS.
BED 362, 450, 460, 480, 485	15
Elective	3
Foreign Language	9
Mathematics or Science Elective	3
MGT 454	3
MIS 300	3
	36
TOTAL:	148

Administrative Support Services Emphasis

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102	3
ENG 101, 102	6
FN 167	1
HIS 101	3
Laboratory Science (biological)	4
MAT 101	3
PED 105	1
Select 2 courses from: PS 101, SCC 101, GHY 101, ANT 101	6
	30

SOPHOMORE YEAR	SEM. HRS.
ACC 200, 300	6
BED 104, 108, 200, 202	10
English (Intermediate) 203 and 300, 301, or 332	6
HIS 102	3
Laboratory Science (physical)	4
PSY 110, 110L	3
Select 1 course from: SCM 111, 305, or 330	3
	35

JUNIOR YEAR	SEM. HRS.
BA 200	3
BED 300, 305, 310, 352	12
BED 302	3
ECO 201	3
Mathematics or Science Elective	3
MGT 300	3
MIS 201, 202	2
Electives	3
	32

SENIOR YEAR	SEM. HRS.
BED 362, 450, 460, 480, 485	15
Directed Electives	6
MGT 454	3
MIS 300	3
MKT 300	3
	30
TOTAL:	128

Court Reporting Emphasis*

FRESHMAN YEAR	SEM. HRS.
Select 1 course from: AA 100, ART 130, DAN 107, THE 100, MUS 365	3
BED 102, 310	6
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
PS 101	3
PSY 110, 110L	3
	32

SOPHOMORE YEAR	SEM. HRS.
BED 104, 108, 199, 200, 202, 305	17
BSC 250, 251	8
English (Intermediate) 203, 300, or 301	6
FS 104	3
SOC 101	3
	37

JUNIOR YEAR	SEM. HRS.
ACC 200	3
BA 200	3
BED 404, 472, 490	9
CJ 200, 330, 331	9
ECO 201	3
MIS 201, 202	2
SCM 305 or 320	3
	32

SENIOR YEAR	SEM. HRS.
BED 460, 475, 477, 478, 485	15
BED 492 (Internship)	3
CJ 463	3
PS 380	3
REI 340	3
	27
TOTAL:	128

*Because of sequencing of machine shorthand courses, a student must attend summer sessions following his/her sophomore and junior years.

INDUSTRIAL EDUCATION PROGRAMS

William B. Burns, Chair
Hattiesburg, MS 39406-5036
(601) 266-4446

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY

(Non-Teaching Degree)

A major in Industrial Technology provides the student with concentrated study and direct experience with industrial machines, materials, processes, and power. This emphasis, when combined with an appropriate minor or electives, prepares the non-teaching majors for a managerial, supervisory, or technical career in industry.

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CSS 100	3
ENG 101, 102	6
FS 105	3
HIS 101, 102	6
MAT 101	3
PED 105	1
PS 101	3
PSY 110, 110L	3
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
CHE 104, 104L	4
ECO 201	3
ENG 203, 333	6
FN 167	1
GHY 102	3
INT 250 or IVE 350	3
IVE 323, 324	6
MAT 133	3
PHY 111, 111L	4
	33

JUNIOR YEAR	SEM. HRS.
ECO 301	3
IVE 301, 302, 315, 316, 331, 332, 333, 360, 362	27
MGT 300	3
	33

SENIOR YEAR	SEM. HRS.
IVE 303, 318, 364, 447, 448, 462	18
MET 420	3
MGT 364, 465, 472	9
	30

TOTAL: 130

NOTE: The program outlined above reflects a minor in management. The student's choice of an alternate plan should be determined by his or her career goals and in consultation with the Chair of the Department of Business and Industrial Education.

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ARTS EDUCATION

A major in Industrial Arts Education prepares the student to teach that phase of secondary education which serves to familiarize junior and senior high school students with their industrial and technological environment.

Students desiring entry into secondary teacher education programs must successfully complete the COMP (College Outcome Measures Program) Test or the General Knowledge and Communication Skills segments of the NTE (National Teacher Examination) according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

This program includes the University's graduation requirements and state certification requirements. The student automatically minors in secondary education.

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 103, 103L	4
CHE 104, 104L	4
ECO 201	3
ENG 101, 102	6
HIS 101	3
MAT 101	3
PED 105	1
PSY 110, 110L	3
SOC 101	3
	33

SOPHOMORE YEAR	SEM. HRS.
CSS 100	3
ENG 203, 333	6
FN 167	1
FS 104, or 105	3
HIS 102	3
IVE 116	3
IVE 323, 324 or 350	6
PS 101	3
SCM 111, 305, or 330	3
	31

JUNIOR YEAR	SEM. HRS.
IVE 301, 302, 331, 332, 333, 360, 362, 364	24
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIS 453, 474, 475	5
CIS 476, 483	15
IVE 315, 316	6
IVE 442, 452	6
	32
TOTAL:	132

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL TECHNOLOGY AND VOCATIONAL EDUCATION

A major in Industrial Technology and Vocational Education, with an emphasis in one of the following areas, prepares the student to teach a previously acquired vocational or technical skill at the secondary or post-secondary level. A minimum of two years' work experience in a trade or technical area is required for state certification.

Trade and Industrial Education Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 103, 103L	4
ENG 101, 102	6
HIS 101	3
IVE Skill Courses	6
MAT 101	3
PED 105	1
PSY 110, 110L	3
SOC 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
CHE 104, 104L	4
ECO 201	3
ENG 203, 333	6
FN 167	1
FS 104 or 105	3
HIS 102	3
IVE Skill Courses	6
PS 101	3
SCM 111, 305, or 330	3
	32

JUNIOR YEAR	SEM. HRS.
ADE 476	3
Electives	3
IVE 441, 442, 443, 444, 445	15
IVE Skill Courses	12
	33

SENIOR YEAR	SEM. HRS.
Electives	7
IVE 446, 447, 448, 452	12
IVE 495	9
PSY 374	3
	31
TOTAL:	128

Technical Education Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CHE 104, 104L	4
ECO 201	3
ENG 101, 102	6
IVE Skill Courses	6
MAT 101	3
PED 105	1
PSY 110, 110L	3
SOC 101	3
	32

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
FN 167	1
HIS 101, 102	6
IVE Skill courses	6
MAT 133	3
MAT 111, 111L	4
PHY 112, 112L	4
PS 101	3
SCM 111, 305, or 330	3
	33

JUNIOR YEAR	SEM. HRS.
ENG 333	3
IVE 323, 324 or 350	6
IVE 441, 442, 443, 444	12
IVE Skill Courses	12
	33

SENIOR YEAR	SEM. HRS.
Elective	3
IVE 445, 446, 447, 448, 452	15
IVE 494 or 495	9
PSY 374	3
	30
TOTAL:	128

DEPARTMENT OF COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION

John D. Alcorn, Chair
Hattiesburg, MS 39406-5012
(601) 266-4602

Culberson, J. Daniels, Durkee, Gutsch, Hollandsworth, E. Holloway, Lyddon, Paul, Randolph, Shafer, Wagner

The Department of Counseling Psychology and Counselor Education offers both graduate and undergraduate programs. At the graduate level, separate curricula are offered to prepare students for positions in school, college, and community agency settings. See the **Graduate Bulletin** for course patterns of each curriculum. The department offers work leading to the Master of Education degree in Counseling and Personnel Services; the Master of Science degree in Counseling Psychology; and a specialist program in Counseling and Guidance. An APA-approved doctoral program is offered in Counseling Psychology. The course pattern included in the Master of Education program in Counseling and Personnel Services will meet Mississippi State Department of Education requirements for AA certification as a school counselor.

At the undergraduate level, a student may earn the Bachelor of Science degree in Social and Rehabilitation Services. The major includes thirty-four (34) semester hours in Social and Rehabilitation Services courses (CPY) and nine (9) hours in Psychology (beyond the introductory course); an eighteen (18) hour minor is required. In the event of a Psychology minor, Psychology courses included in the major may also be applied toward this minor. An additional fifty-eight (58) hours of core requirements and nine (9) hours of electives complete the 128 hours for graduation.

CURRICULUM SEQUENCE FOR A MAJOR IN SOCIAL AND REHABILITATION SERVICES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science (biological)	4
Laboratory Science (physical)	4
MAT 101	3
PED 105	1
PSY 110, 110L	3
SCM 111	3
	31

SOPHOMORE YEAR	SEM. HRS.
CPY 210	3
CSS 100*	3
Electives	3
English Elective	3
Fine Arts	3
Mathematics or Science Elective	3
Minor Courses	6
Social Science Electives	6
World Literature	3
	33

JUNIOR YEAR	SEM. HRS.
CPY 311, 312, 313, 330 or 331	12
Electives	3
ENG 333**	3
Minor Courses	6
Psychology Electives	6
Social Science Elective	3
	33

SENIOR YEAR	SEM. HRS.
CPY 301, 330 or 331, 413, 423, 462, 463	16
Electives	3
Minor Courses	6
PSY 436	3
Select 1 course from: CPY 413, 423, 432, 433, 435, 436, 497	3
	31
TOTAL:	128

*Courses of similar content may be substituted with adviser approval.
**Advanced courses (300-400 level) in writing/grammar may be substituted with adviser approval.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Mildred E. Kersh, Chair
Hattiesburg, MS 39406-5057
(601) 266-4547
Bonnie H. Holder, Coordinator, Undergraduate Education
Herschel Q. Peddicord, Coordinator, Graduate Education
F. Anderson, J.C. Davis, Hornsby, E. Luce, Masztal,
B. Moore, T. Moore, Mottley, Owens, Palmer, C. Reed, Reeves-Kazelskis,
J. Richards, Richmond, Schnur, Scott, D. Thames.

Serving as the coordinating agency within the University for the training and preparation of elementary and secondary teachers, the Department of Curriculum and Instruction provides undergraduate work for both preservice and inservice teachers. A description of the undergraduate programs in elementary and secondary education follows. Please consult the **Graduate Bulletin** for a description of the programs leading to master's, specialist's, and doctoral degrees.

ELEMENTARY EDUCATION
(K-8)

Students pursuing an undergraduate degree with a major in Elementary Education will attain a provisional elementary teacher's certificate (kindergarten through grade eight). Areas of concentration for the Elementary Major are available. For specifics concerning these concentrations, the student should consult an elementary education adviser.

Additional endorsements to the provisional elementary teacher's certificate (K-8) are available and include computer education, driver education, gifted education, and remedial reading. For course requirements for these endorsements, the student should contact the Coordinator of Undergraduate Elementary Education.

Admission to Elementary Teacher Education Program

Students desiring to major in Elementary Education must meet the following requirements before being admitted to the program.

1. Attain at least a C average for the 6 hours of English composition required.
2. Attain the prescribed minimum score on the Elementary Math Placement Test.
3. Complete the College of Education and Psychology's General Education Requirements (52 hours).
4. Attain a minimum grade point average of 2.65 (on a 4.0 scale) based on the 44 hours of general education identified on page 100. File teacher education admissions form (Ed 8 b).
5. Attain the minimum scores set by the Mississippi State Department of Education on the Communications Skills and General Knowledge sub-tests of the National Teacher Examination. This test should be taken during the last term before completing the 44 hours of general education identified on page 100.
6. Complete a minimum of twenty (20) clock hours of recent observation in an elementary classroom approved for observation.
7. Meet with the assigned adviser and complete a program plan.

For a more detailed explanation of the above requirements, the student should see his/her assigned adviser or the Coordinator of Undergraduate Elementary Education.

REQUIREMENTS FOR A MAJOR IN ELEMENTARY EDUCATION

FRESHMAN YEAR	SEM. HRS.
CHS 101	3
ENG 101 and 102	6
FS 133	3
FS 133-L	1
HIS 101 and 102	6
MAT 101 and 210	6
PED 105	1
PSY 110/110L	3
SCM 111, 305, or 330	3
	32

SOPHOMORE YEAR	SEM. HRS.
ARE 309	3
ENG 203	3
ENG 301	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, or THE 100)	3
FN 167	1
FS 131 and 131L	4
FS 132/132L or 134/134L	4
MED 361	3
PSY 370	3
Social Science Electives*	6
	33

JUNIOR YEAR	SEM. HRS.
CIE 300, 301, 306, 309, 317 and 407	18
PED 320 or 321	3
PSY 374**	3
REF 400**, 416 and 469**	9
SPE 400*	3
	36

SENIOR YEAR	SEM. HRS.
CIE 305, 343**, 403, and 412	13
CIE 474**, 475** and 476**	5
CIE 480** or 482**	12
SCE 432	3
	33
TOTAL:	134

*To be chosen from the following with no more than 3 hours from any one discipline: ANT 101, 221; GHY 101, 102; PS 101, 220; SOC 101, 240, 314.

These courses comprise the **new Professional Teacher Education Core which will be required for students completing degree requirements on or after April 1, 1988. Students may not enroll for any of these courses until they have met the requirements for admission to the elementary education program. See the section entitled **Admission to the Elementary Teacher Education Program** in this **Bulletin.**

SECONDARY TEACHER EDUCATION PROGRAMS

(Grades 7-12)

Students seeking an undergraduate degree with certification to teach at the secondary-school level (Grades 7-12) may choose one of three degree program options as follows.

Plan I: **Academic Major with a Secondary Education Minor**

Plan II: **Secondary Education Major with an Academic Major**

Plan III: **Secondary Education Major with Dual Teacher Certification**

Regardless of the plan chosen, the student must: (1) complete the prescribed general education requirements of the appropriate school and/or college, (2) be admitted to a secondary teacher education program,* (3) complete the requirements for the Secondary Education minor or major, (4) complete the requirements for an academic major or two teacher certification areas, and (5) complete any necessary elective requirements.

***NOTE:** Students who select the secondary education major (plans II and III) must demonstrate a 2.65 grade point average on the 44 hour core.

General Education Requirements

All students seeking undergraduate teacher certification at the secondary-school level must complete the general education requirements of the College of Education and Psychology. A student choosing to receive an undergraduate degree from a school or college other than the College of Education and Psychology must also satisfy the general education requirements of that school or college.

Admission to Secondary Education Programs

Students pursuing undergraduate degrees with secondary teacher certification must satisfy the following requirements to be admitted to a program in secondary education.

1. Complete the College of Education and Psychology's General Education Requirements (52 hours).
2. Attain a minimum grade point average of 2.65 (on a 4.0 scale) based on the 44 hours of general education identified on page 100. File teacher education admission form (Ed 8 b).
3. Attain at least a **C** average for the 6 hours of English composition required.
4. Attain the minimum scores set by the Mississippi State Department of Education on the Communications Skills and General Knowledge subtests of the National Teacher Examination. This test should be taken prior to the completion of the sophomore year.

For more detailed explanation of the above requirements and the process of completing and filing a program plan, the student should contact the designated education adviser in the department of his/her major. After teacher education admissions has been completed, present program plan to Certification Specialist in Dean's Office (EPB 116).

Requirements For An Academic Major

Students who choose either of the two secondary teacher education program plans which require an academic major must meet all of the course and related requirements of the major selected. For specific requirements for a given major, the student should refer to the appropriate section of this **Bulletin** under the department offering the major.

Academic majors (to include associated emphasis areas) which provide for certification in the various teaching fields at the secondary-school level are:

English
Foreign Languages
History
Industrial Arts
Journalism
Mathematics
Science Education
Social Studies
Speech Communication

Requirements For A Minor In Secondary Education

Regardless of their selections of an applicable **Bulletin** in meeting degree requirements, all students pursuing undergraduate degrees with secondary teacher certification (Grades 7-12) must satisfy the requirements of the College of Education and Psychology's 32-hour **Professional Teacher Education Core.** Courses which serve as the student's Secondary Education minor and meet the new professional education course and hour requirements are **Basic Core** - REF 400 (Public Education in the United States), PSY 374 (Educational Psychology), SPE 400 (The Psychology and Education of the Exceptional Child), REF 469 (Tests and Measurements); **Advanced Core** - CIS 474 (Contemporary Education Reform), CIS 475 (Assessment of Teaching), CIS 451-465 (a methods course in the student's academic area); **Student Teaching Core*** - CIS 480-494 (student teaching in the student's academic area), CIS 476 (Professional Development Seminar).

*For information concerning the various requirements for student teaching, see the section entitled SPECIAL SCHOOL SERVICES under the College of Education and Psychology division of this **Bulletin.**

Students may not enroll for any of the Secondary Education minor courses until they have met all requirements for and have been admitted to a program in teacher education.

Requirements For A Major In Secondary Education

Courses required for the Secondary Education minor plus CIS 313 (Principles of Teaching High School) constitute the Secondary Education major. Students who plan to teach at the secondary-school level are encouraged to select a degree program which requires the Secondary Education major. Principles of Teaching High School focuses on the basic or generic methods of teaching and serves as an important knowledge base for the more specialized methods course required in the student's academic area in meeting the new Professional Teacher Education Core requirements.

DUAL TEACHER CERTIFICATION

In the interest of intellectual breadth in undergraduate education and employment flexibility, students pursuing undergraduate degrees with secondary teacher certification are encouraged to obtain dual certification which may be accomplished by: (1) completing two academic majors in either **Plan I** or **Plan II,** (2) completing **Plan III** which provides for dual certification, or (3) completing **Plan I** and **II**. Add-on endorsements are available to enhance an initial teaching certification area. For a description of the program components for the three degree plans above, see the two introductory paragraphs to SECONDARY TEACHER EDUCATION PROGRAMS in this section of the **Bulletin**.

Secondary Education Major: Dual Certification

Academic and discipline fields that may be used in combination in meeting dual teacher certification requirements under **Plan III** include the following:

English
Foreign Language*
Health and Physical Education
Industrial Arts
Journalism
Mathematics
Science**
Social Studies
Speech Communication

*Foreign language certification options include French, German, Latin, and Spanish
**Science certification options include biology, chemistry, physics, and general science.

Students who desire dual certification under **Plan III** should contact the Coordinator of Undergraduate Secondary Education in the Department of Curriculum and Instruction for course and other related requirements for the various academic and discipline fields shown above.

Requirements for Additional Endorsements

Mississippi's standards for teacher and administrator certification provide for endorsements to standard teaching certificates. These endorsement areas require less extensive training than that required for standard teaching certificates. Endorsement areas include computer education, driver education, gifted education, and remedial reading.

Students pursuing undergraduate degrees with secondary teacher certification are encouraged to take the additional courses necessary to qualify for endorsement in one or more of these

areas. For specific course requirements, the student should contact the education adviser in the department related to the endorsement area or the Coordinator of Undergraduate Secondary Education in the Department of Curriculum and Instruction.

SPECIAL AREA TEACHER EDUCATION PROGRAMS

(K-12)

Students pursuing undergraduate degrees with special area teacher certification (Grades K-12) must: (1) complete the prescribed general education requirements of the appropriate school and/or college, (2) be admitted to the special area teacher education program, (3) complete the requirements of the 32-hour **Professional Teacher Education Core,** (4) complete the requirements for a major associated with a special area of teacher certification, and (5) complete any necessary elective requirements.

General Education Requirements

All students seeking undergraduate special area teacher certification must complete the general education requirements of the College of Education and Psychology. A student receiving an undergraduate degree from a school or college other than the College of Education and Psychology must also satisfy the general education requirements of that school or college.

Admission to Special Area Education Programs

Students pursuing undergraduate degrees with special area teacher certification must satisfy the following requirements to be admitted to a program in special area education.

1. Complete the College of Education and Psychology's General Education Requirements (52 hours).
2. Attain a minimum grade point average of 2.65 (on a 4.0 scale) based on the 44 hours of general education identified on page 100.
3. Attain at least a **C** average for the 6 hours of English composition required.
4. Pass an admissions test according to the standards set by the Board of Trustees of State Institutions of Higher Learning. This test should be taken prior to the completion of the sophomore year.
5. Complete and present a program plan to the certification specialist for approval.

For a more detailed explanation of the above requirements and the process of completing and filing a program plan, the student should contact the designated education adviser in the department of his or her major.

Professional Teacher Education Core Requirements

Regardless of their selection of an applicable **Bulletin** in meeting degree requirements, all students pursuing undergraduate degrees with special area teacher certification (Grades K-12) must satisfy the requirements of the College of Education and Psychology's 32-hour **Professional Teacher Education Core.** Courses comprising this professional education component are: **Basic Core-** REF 400 (Public Education in the United States), PSY 374 (Educational Psychology), SPE 400 (The Psychology and Education of the Exceptional Child) REF 469 (Tests and Measurements), **Advanced Core** - CIS 474 (Contemporary Education Reform), CIS 475 (Assessment of Teaching), CIS 451-465 (a methods course in the student's academic area); **Student Teaching Core*** - CIS 479-494 (student teaching in the student's academic area), CIS 476 (Professional Development Seminar).

*For information concerning the various requirements for student teaching, see the section entitled SPECIAL SCHOOL SERVICES under the College of Education and Psychology division of this **Bulletin.**

Students may not enroll for any of the **Professional Teacher Education Core** courses until they have met all requirements for and have been admitted to a program in special area teacher education.

REQUIREMENTS FOR A MAJOR IN A SPECIAL AREA

Majors (to include associated emphasis area) offered by the various colleges and schools of the University which provide for certification in the various special area teaching fields are:

Art Education
Education of the Deaf
Library Science
Health and Physical Education
Music Education
Special Education

For specific course and related requirements for a major associated with a special area of teacher certification, the student should refer to the appropriate section of this **Bulletin** under the department offering the major.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND RESEARCH

Edgar H. Bedenbaugh, Chair
Hattiesburg, MS 39406-5027
(601) 266-4579

B. Anderson, L. Daniel, C. Davidson, Elias, W. Ferguson, Ginn, Gore, Gupton, J. Holloway, Kazelskis, Knight, Leonard, A. Lucas, Manly, P. Peddicord, Pierce, J. Purvis, Rachal, M. Smith, Southerland, Tomlinson, S. Weatherford, H.S. Williams

The Educational Administration and Supervision component of the Department of Educational Leadership and Research offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist's degree, and the doctoral degree. For a description of these programs, consult the **Graduate Bulletin.**

The Research and Foundations components of the Department of Educational Leadership and Research provide supportive services in teacher education. At the undergraduate level, these services include Educational Foundations and at the graduate level, Educational Foundations, and Research Training.

The Adult Education component of the Department of Educational Leadership and Research offers graduate programs for persons who work with adult learners in a wide variety of settings. Programs are provided which lead to the master's, specialist's, and doctoral degrees. For descriptions of these programs, please consult the **Graduate Bulletin.**

Some courses are offered at the undergraduate level to support degree programs in other departments and as staff training for agencies that employ persons at the baccalaureate level or below to work with adult learners.

DEPARTMENT OF PSYCHOLOGY

Howard N. Anderson, Chair
Hattiesburg, MS 39406-5025
(601) 266-4604

S. Bain, Dawson, Dickson, R. Edwards, Faulkender, Fox, Gates, W. Goggin, E. Gurman, Hailey, Harsh, L. Hildman, Holliman, G. Jones, Koeppel, Lowe, Noblin, Ozerden, Range, D. Sisemore, Tingstrom, Wekselberg, Wesley

The Department of Psychology offers programs-of-study leading to undergraduate degrees (BA or BS) in Psychology, and graduate degrees (MA, MS, PhD) with emphasis areas in clinical, general-experimental, school, and industrial/organizational psychology (see the **Graduate Bulletin**). The doctoral programs in clinical psychology and in school psychology are fully accredited by the American Psychological Association.

The undergraduate degree in psychology is designed for the student who plans to attend graduate school in any of the major areas of the discipline, and contains the flexibility with sufficient electives to enable the student to construct a more individualized program of study to meet other specific career goals. Both the B.A. and B.S. undergraduate tracks may be used in preparation for advanced degrees in other professions (e.g., law, medicine, dentistry, physical and occupational therapy, optometry, business administration and management, social work). Students planning to use psychology as their undergraduate major in preparation for graduate or professional studies in other disciplines should consult the appropriate pre-professional adviser in order to help ensure that the program-of-study selected (e.g., electives, minor) is fully coordinated with the entrance requirements of the graduate or professional school to which they plan to make application.

The student wishing to major in Psychology must complete twenty-eight (28) semester hours of coursework in the Department of Psychology. To receive the Bachelor of Arts degree, a student must also complete nine (9) hours of a foreign language. No foreign language is required for the Bachelor of Science degree.

The Department sponsors a chapter of Psi Chi, the national Psychology honor society, and maintains an Undergraduate Information Center which is staffed from 8:00 AM until 5:00 PM weekdays and which provides detailed information and other resources pertaining to the Psychology major and minor, representative course syllabi, descriptions of research opportunities for undergraduates, and career information.

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
Laboratory Science	8
MAT 101	3
PED 105	1
PSY 110, 110L	3
SCM 111	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
English (200 level or above)	3
Fine Arts	3
Mathematics or Science Elective	3
PSY 310	3
Social Science Electives	9
Electives	10
	34

JUNIOR YEAR	SEM. HRS.
PSY 320, 320L, 360, 422	10
Psychology Elective	3
Minor or Electives	9
Electives	11
	33

SENIOR YEAR	SEM. HRS.
PSY 418, 426, 436 or 455	9
Minor or Electives	9
Electives	12
	30
TOTAL:	128

Requirements for a Minor in Psychology

The undergraduate Psychology minor will consist of PSY 110, 360 and twelve (12) hours of electives (PSY courses numbered 300 or above).

DEPARTMENT OF SCIENCE EDUCATION

Including Fundamentals of Science

Bobby N. Irby, Chair

Hattiesburg, MS 39406-5087

(601) 266-4739

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Please check this department's offerings in the College of Science and Technology section.

DEPARTMENT OF SPECIAL EDUCATION

James A. Siders, Chair

Hattiesburg, MS 39406-5115

(601) 266-5236

Callahan, Dennis, Jackson, Karnes, Lillie, Stremel, Tennyson, Walker, Whorton

The University of Southern Mississippi prepares individuals to teach in several areas of exceptionality. Emphasis areas are available in Mental Retardation and Specific Learning Disabilities which lead toward Mild-Moderate certification in the State of Mississippi. All majors are encouraged to seek advice about their program from faculty advisers.

Students desiring entry into teacher education programs must successfully complete an admissions examination according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

Students wishing to major in Special Education should follow the program outlined below.

REQUIREMENTS FOR A MAJOR IN SPECIAL EDUCATION
(K - 12)

FRESHMAN YEAR	SEM. HRS.
AA 100	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
*Laboratory Science	8
PED 105	1
PSY 110, 110L	3
SCM 111, 305, or 330	3
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 200, 201, 202, 205, 301, 350, 351, 370, or 371	3
ENG 203	3
MAT 101	3
Mathematics or Science Elective	3
SPE 200	1
SPE Major Electives	12
**Social or Behavioral Science Electives	9
	34

*Students must take one physical science and one biological science course as part of their science sequence.
**With no more than 3 hrs. from any one area; anthropology, economics, geography, political science, psychology, or sociology.

JUNIOR YEAR	SEM. HRS.
PSY 374	3
REF 400, 469	6
SPE 400, 402, 430, 440	12
Electives	12
	33

SENIOR YEAR	SEM. HRS.
CIE 474, 475, 476	5
SPE 201, 202, 431, 442, 451, 481	23
Electives	6
	34

TOTAL: 132

COLLEGE OF HEALTH AND HUMAN SCIENCES
ACADEMIC OFFERINGS
1992-1993

School	Major/Emphasis	Degree**
SCHOOL OF HOME ECONOMICS		
	CLOTHING MERCHANDISING*	BS
	CLOTHING AND TEXTILES	BS
	DIETETICS	BS
	Academic Program in Dietetics	
	Coordinated Program in Dietetics	
	Food and Nutrition*	
	FAMILY LIFE STUDIES*	BS
	Child Development Emphasis	
	Child Life Emphasis	
	Family Relations Emphasis	
	HOME ECONOMICS	BS
	Home Economics Education Emphasis	
	Home Economics in Business Emphasis	
	HOTEL, RESTAURANT AND TOURISM MANAGEMENT*	BS
	Tourism Emphasis	
	INTERIOR DESIGN	BS
SCHOOL OF HUMAN PERFORMANCE AND RECREATION		
	COACHING AND SPORTS ADMINISTRATION*	BS
	Athletic Training/Teaching Emphasis	
	Athletic Training/Non-teaching Emphasis	
	Professional Emphasis	
	Teaching and Coaching Emphasis	
	PHYSICAL EDUCATION*	BS
	Kinesiotherapy Emphasis	
	Exercise Science Emphasis	
	Human Movement Emphasis	
	Teacher Certification Emphasis	
	RECREATION*	BS
	Commercial Recreation Emphasis	
	Outdoor Recreation and Park Management Emphasis	
	Recreation Programs and Leadership Emphasis	
	Therapeutic Recreation Emphasis	
SCHOOL OF NURSING		
	NURSING	BSN
SCHOOL OF SOCIAL WORK		
	SOCIAL WORK	BSW
CENTER FOR COMMUNITY HEALTH		
	HEALTH EDUCATION*	BS
	Community Health Education Emphasis	
	School Health Education Emphasis	

*Minor Available

**Degree Abbreviations: (BS) Bachelor of Science, (BSW) Bachelor of Social Work, (BSN) Bachelor of Science in Nursing

COLLEGE OF HEALTH AND HUMAN SCIENCES

Allison A. Yates, Dean
J. Allen Ellard, Assistant Dean
Hattiesburg, MS 39406-0075
(601) 266-5253

The mission of the College of Health and Human Sciences is to prepare individuals to engage in applied arts and human sciences that enhance the quality of life for individuals, groups, families, organizations and communities. The College focuses on seeking solutions to societal problems. This mission is accomplished through teaching, service and research.

Through classroom teaching, the academic foundations presented in the professional and applied programs of the College are enhanced in order that students, upon graduation, may improve upon the complex and dynamic human needs within the state, region and nation.

A strong service function is imperative to the professional dimension of the College. To this end, faculty, staff and students are committed in meeting the service requisites mandated by the university, community, state, region and nation.

Research endeavors of the College of Health and Human Sciences are designed to discover, extend and promulgate knowledge of human needs, development and performance across the life span. Thus the College faculty are committed to the research and publishing process. This commitment advances inquiry into the nature of the human experience which in turn strengthens the teaching and service components of the entire College.

ORGANIZATION AND ADMINISTRATION

Dean's Office

The Dean is the chief administrative officer of the College of Health and Human Sciences and is responsible for its operation. In the Dean's Office, the Assistant Dean coordinates scheduling, the college catalog, adjunct faculty coordination and undergraduate and graduate academic concerns.

Administrative Units

The administrative offices that report to the Dean's Office include Mississippi Tourism Resources Center, the Hattiesburg Senior Services Center, Research and Faculty Development, Fiscal and Physical Facilities, four academic schools and the Center for Community Health.

The academic programs of the College of Health and Human Sciences are housed in the School of Home Economics, the School of Human Performance and Recreation, the School of Nursing, the School of Social Work, and the Center for Community Health.

Each school as well as the Center for Community Health offers undergraduate and graduate academic offerings designed to meet the challenges of the College's mission statement. Each academic unit is responsible for maintaining its associated student files for academic advisement of its majors. Since curricular requirements vary for each major, students desiring degrees from the College of Health and Human Sciences should follow the courses outlined under each unit. Detailed information on individual curricula of the five units follows. Please note that a number of programs within the College must meet criteria of accrediting agencies, and thus may have additional application procedures and/or admission requirements above those of the University. Please consult the directors of the individual units to obtain specific information.

The Mississippi Tourism Resources Center was created to enhance the University's efforts to assist the region in development of tourism and to identify and create interdisciplinary projects across this area. The Hattiesburg Senior Services Center, a day program for older adults and the frail elderly, is operated through grants to the College and serves as a model interdisciplinary program to provide services to this population. The Director of Research and Faculty Development engages in identifying potential grant and research projects germane to the College faculty, and offers research support and expertise to this faculty.

GENERAL EDUCATION REQUIREMENTS FOR A BACHELOR'S DEGREE IN THE COLLEGE OF HEALTH AND HUMAN SCIENCES

The core curriculum of the College of Health and Human Sciences parallels the University core and is designed to expand the intellectual breadth of the College's majors. The College core is required of all students majoring within the College.

I.	**Reasoning and Communication Skills (12-15 hours)**	
	ENG 101, 102	6
	MAT 101 or higher level	3
	SCM 111, 305, 330	3
	*Electives	
	PHI 253; CSS 100, 240, or 330; ART 130; or Foreign Language	0-3
II.	**Humanities and Fine Arts (12 hours)**	
	ENG 203	3
	Fine Arts Electives (AA 100; ART 130; DAN 107; MUS 365; or THE 100)	3
	HIS 101, 102	6
III.	**Social and Behavioral Sciences (6-12 hours)**	
	Six hours chosen from any of the following, with no more than 3 hours from any one discipline: *ANT 101, 221, ECO 200, 201; GHY 101, 102; PS 101, 220; PSY 110, 375; SOC 101, 240, or 314	6
	*Electives from any of the above in Category III or FAM 151 or CHS 101	0-6
IV.	**Natural and Applied Sciences (11 hours)**	
	*Science Laboratory courses	8
	*Electives	3
V.	**Human Wellness (2 hours)**	
	*FN 167	1
	*PED 105	1
		43-52

*Students should consult requirements in various programs to determine recommended courses in each category.

SECONDARY TEACHER CERTIFICATION

A student in the College of Health and Human Sciences seeking certification at the secondary level must satisfy the core requirements of not only the College of Health and Human Sciences but also the College of Education and Psychology. In addition he or she must complete thirty-two (32) hours of professional education courses: in the first semester of the junior year REF 400 and PSY 469, followed in the second semester by SPE 400 and REF 469; in the first semester of the senior year CIS 474, CIS 475, and an Area Methods course, followed by a second semester of Student Teaching (carrying twelve hours credit and CIS 476).

SCHOOL OF HOME ECONOMICS

Anita A. Stamper, Director
William A. Forsythe, Assistant Director
Hattiesburg, MS 39406-5035
(601) 266-4679

Adams, Billon, Blackwell, Boudreaux, Brady, Broome, Dickerson, Easterling, Malone, Mueller, Palan, Rogers, Rowland, Saul, Sharp, E. Smith, J. Smith, J. Sneed, Stanberry, Traylor, Watson, Yadrick, Yates

The School of Home Economics offers seven undergraduate majors with nine emphases. The curricula of the School are planned to place major emphasis on careers involved in improving the quality of life for individuals and families. Students are prepared to assume responsibilities as professionals in a variety of career areas. Programs in the School offer excellent opportunities for obtaining a broad general education, in addition to developing skills and abilities to function competently in a selected professional area.

All programs include an internship or field experience component in order to provide the student with the opportunity to apply knowledge in direct contact with the consumer or client. In addition to using numerous businesses and facilities in the region to provide these in-depth experiences, the School manages a number of services where students receive supervised experience. The Fern Hesson Charcoal Room, a modern academic food service laboratory, is operated by the School. The Charcoal Room, a cafeteria and dining room for faculty, staff, and graduate students, is in the University Commons, which is centrally located on campus.

The School also operates the Center for Child Development. The USM Child Care Center and Nursery School are components of the Center. The Sarah W. Gibbs Historic Costume Collection is also maintained by the School in the McCain Library Archives.

The undergraduate programs in the School are accredited by the Council for Accreditation of the American Home Economics Association. The Coordinated Program in Dietetics is currently accredited by The American Dietetic Association Council on Education, Division of Education Accreditation/Approval, which also currently approves the Academic Program in Dietetics. The Interior Design program is fully accredited by the Foundation for Interior Design Education Research (FIDER).

Offerings for Non-Majors

A number of courses are offered within the School that do not have prerequisites and are excellent choices for electives. Minors are also available in a number of areas within the School.

CLOTHING MERCHANDISING

The clothing merchandising curriculum provides basic courses in clothing, textiles, economics, business, and marketing. Students who qualify may complete an internship with co-operating retail establishments to enhance placement potential upon completion of the program. With this background, graduates are prepared to move into management training programs offered by retail establishments. Such training programs lead into positions as buyers, training supervisors, fashion coordinators, comparison shoppers, radio and television script writers, and numerous jobs involving some aspect of retailing.

REQUIREMENTS FOR A MAJOR IN CLOTHING MERCHANDISING

FRESHMAN YEAR	SEM. HRS.
ARE 207 or ART 111	3
CT 121	3
ENG 101, 102	6
HIS 101, 102	6
Laboratory Sciences	8
MAT 101	3
PED 105	1
SCM 111, 305, or 330	3
	33

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
ART 130	3
CSS 100	3
CT 131, 221, 330	9
ECO 201	3
ENG 203	3
FAM 151	3
HEE 101	1
PSY 110, 110L	3
	31

JUNIOR YEAR	SEM. HRS.
CT 222, 331, 332, 334, 335	15
ENG 333	3
FN 362	3
MGT 300	3
MKT 300, 330, 442	9
	33

SENIOR YEAR	SEM. HRS.
CT 337, 435, 436, 437, 439, 475	19
MGT 364	3
Marketing Electives	9
	31
TOTAL:	128

Requirements for a Minor in Clothing Merchandising

All students pursuing a minor in Clothing Merchandising must complete eighteen (18) hours in Clothing and Textiles courses. The following courses are suggested for completing a minor in Clothing Merchandising: CT 222, 330, 331, 332, 334, 335, 337, 421, 435, 436, and 437. In some instances prerequisites can be waived if expertise can be demonstrated by the student; therefore, individual students are encouraged to seek the approval of the adviser within the department of study in selection of the eighteen (18) hours.

CLOTHING AND TEXTILES

The Clothing and Textiles major prepares students for a variety of fields. The curriculum is very flexible, allowing selection of either an academic minor or a group of directed electives to tailor the major to individual interests. The broad background in clothing and textiles courses can be combined with art, management, psychology, journalism, marketing, or theater, for example, to develop an area of specialty. Students interested in pursuing graduate study can use the undergraduate minor to develop an interest area for future research or specialization. Students work closely with an academic adviser in selecting the courses which will provide the best preparation for the desired career field.

REQUIREMENTS FOR A MAJOR IN CLOTHING AND TEXTILES

FRESHMAN YEAR	SEM. HRS.
ARE 207 or ART 111	3
CHE 101, 101L, 102, 102L	8
CT 131	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111, 305, or 330	3
	33

SOPHOMORE YEAR	SEM. HRS.
ART 130	3
BA 200	3
CT 330	3
CSS 100 or MIS 201, 202	2-3
ECO 201, 202	6
ENG 203	3
FAM 151	3
FN 362	3
HEE 101	1
PHY 110, 110L	3
	30-31

JUNIOR YEAR	SEM. HRS.
CT 331, 332, 334, 335	9
Major Electives*	6
Directed Electives or Minor**	9
Electives	5
ENG 333	3
	32

SENIOR YEAR	SEM. HRS.
CT 437, 475	6
Major Electives*	13
Directed Electives or Minor**	9
Electives	4-5
	32-33
TOTAL:	128

*Select from the following with approval of adviser: CT 222, 333, 337, 430, 431, 432, 433, 434, 439; HEE 404; or FEM 442 or 443.

**Select directed electives or minor with approval of adviser.

DIETETICS

In the Dietetics curriculum, students have three options: the Coordinated Program in Dietetics, which is accredited by The American Dietetic Association; the Academic Program in Dietetics, which is approved by The American Dietetic Association; and the Food and Nutrition emphasis.

The Coordinated Program in Dietetics combines classes in the subject matter area with intensive supervised practice in participating hospitals, food service facilities, and community agencies during the junior and senior years of the program. Prospective students must apply to the Coordinated Program in the spring for fall acceptance. Criteria for acceptance include a GPA of 2.75, completion of specified courses with a grade of "C" or better, a letter of application, and references. Upon completion of the degree, the student is eligible to take the national registration examination to become a Registered Dietitian.

The Academic Program in Dietetics includes all courses necessary to meet the academic requirements of The American Dietetic Association and qualifies the student upon graduation to enter a dietetic internship or other pre-planned professional experience approved or accredited by the American Dietetic Association. The Food and Nutrition emphasis curriculum can also meet the ADA Academic Requirements with the proper selection of electives.

The Food and Nutrition emphasis is designed for students interested in nutrition and the sciences. It provides students with knowledge of how the body metabolizes nutrients and food in various situations. This program can meet requirements for preparation for medical school, dental school, or professional graduate schools, or advanced study in nutrition or biochemistry.

Suggested minors for dietetic majors: chemistry, biological sciences, health education, management, or psychology.

REQUIREMENTS FOR A MAJOR IN DIETETICS

Coordinated Program in Dietetics Emphasis

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CSS 100 or MIS 201, 202	2-3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
MAT 101 or above	3
PED 105	1
PSY 110, 110L	3
	32-33

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L, 281, 281L	12
CHE 251, 251L, 321, 321L	8
ECO 201	3
ENG 203	3
FN 362 or 367	3
SCM 111, 305, or 330	3
SOC 101	3
	35

JUNIOR YEAR	SEM. HRS.
ACC 200	3
FN 265, 410, 420, 420L, 430, 461, 461L	17
FSM 340, 340L, 441, 473	11
MGT 300	3
	34

SENIOR YEAR	SEM. HRS.
CHS 440	3
FN 463, 463L, 464, 465, 475	24
FSM 477	6
	33

TOTAL: 134-135

Academic Program in Dietetics Emphasis

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CSS 100 or MIS 201, 202	2-3
ENG 101, 102	6
Fine Arts Elective	3
FSM 272, 272L, or FN 163, 261	3-6
HIS 101, 102	6
MAT 101 or above	3
PED 105	1
PSY 110, 110L	3
	35-39

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
BSC 250, 250L, 251, 251L	8
BSC 281, 281L	4
CHE 251, 251L, or 351, 351L, 352, 352L	4-8
ECO 201	3
FN 362 or 367	3
SCM 111, 305, or 330	3
SOC 101	3
	31-35

JUNIOR YEAR	SEM. HRS.
CHE 321, 321L	4
ENG 203, 333	6
FN 265	1
FSM 340, 340L, 370, 440, 440L, 441	14
HEE 302	3
MGT 300	3
	31

SENIOR YEAR	SEM. HRS.
CHS 440	3
Electives	0-3
FN 410, 420, 430, 461, 463, 475	18
FSM 442	3
MGT 364	3
	27-30

TOTAL: 128-135

Food and Nutrition Emphasis

FRESHMAN YEAR	SEM. HRS.
BSC 110, 110L	4
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
Fine Arts Elective	3
FN 163 or FSM 272, 272L	3
HIS 101, 102	6
MAT 101 or above	3
PED 105	1
	34

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L or 451, 451L	4-8
CHE 251, 251L, or 351, 351L, 352, 352L	4-8
ENG 203	3
FN 261, 362	6
PSY 110, 110L	3
SCM 111, 305, or 330	3
Social or Behavioral Science Elective	3
	26-34

JUNIOR YEAR	SEM. HRS.
BSC 281, 281L or 380, 380L	4
CHE 321, 321L or 421, 422, 427L and 428L	4-8
CSS 100 or MIS 201, 202	2-3
ECO 201	3
Electives	9
HEE 101	1
Minor Requirements	6
	29-34

SENIOR YEAR	SEM. HRS.
CHS 440	3
Electives	3
ENG 333	3
FN 410, 420, 430, 460, 461, 475	18
Minor Requirements	12
	39

TOTAL: 128-138

FAMILY LIFE STUDIES

The major in Family Life Studies offers emphasis areas in Family Relations, Child Development and Child life. Each emphasis area focuses on human development from a family systems orientation. In Family Relations, emphasis is on changes throughout the total family life cycle, such as marital adjustment, birth of children, parenting, sexual relationships, and later life. In the Child Development emphasis, students study the social, emotional, physical and cognitive developmental changes during infancy through the preschool years. Specific attention is devoted toward examining the situational context within which development occurs, such as the family and/or the early childhood education/care environment. In the Child Life emphasis, students are prepared for work with children and their families during hospitalization or extended health care. Adverse reactions to hospitalization can be reduced through use of techniques designed to provide play opportunities which foster continued growth and development. Students in all family life emphases are exposed to laboratory experiences through the Center for Child Development and the Hattiesburg Senior Services Center, as well as in community settings. A major in Family Life Studies offers a variety of career options within the areas of child and family services.

REQUIREMENTS FOR A MAJOR IN FAMILY LIFE STUDIES

Child Development Emphasis

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FAM 151	3
Fine Arts Elective	3
HEE 101	1
HIS 101, 102	6
Laboratory Science	8
MAT 101	3
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
CD 350, 352	6
CSS 100	3
ENG 203	3
FEM 150	2
FN 363	3
FS 104, 105, or FN 362	3
Minor	6
SCM 111, 305, or 330	3
SOC 101 or Social Science Elective	3
	32

JUNIOR YEAR	SEM. HRS.
CD 450, 451, 453	9
FAM 351, 452	6
FEM 442	3
MGT 300	3
PED 309	2
PSY 375	3
REF 416	3
SPE 405	3
	32

SENIOR YEAR	SEM. HRS.
CD 452, 455, 475	12
CIE 403	3
Elective	3
LS 417	3
Minor	12
	33
TOTAL:	128

Requirements for a Minor in Child Development

All students pursuing a minor in Child Development must complete eighteen (18) semester hours in Child Development and Family Relations. The following courses are required for a minor in Child Development: CD 350, 352, and 452. The remaining nine (9) hours may be selected from Child Development and/or Family Relations courses.

Child Life Emphasis

FRESHMAN YEAR	SEM. HRS.
CHS 101	3
ENG 101, 102	6
FAM 151	3
Fine Arts Elective	3
FS 104, 105, or FN 362	3
HEE 101	1
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111, 305 or 330	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CD 350, 352	6
CSS 100	3
ENG 203	3
FN 363	3
Minor	3
SOC 240	3
	29

JUNIOR YEAR	SEM. HRS.
CD 450, 451, 453, 492	10
CPY 423	3
FAM 452	3
Minor	9
PED 309	2
PSY 375	3
SPE 405	3
	33

SENIOR YEAR	SEM. HRS.
CD 452, 455, 475, 498	15
Electives	4
LS 417	3
Minor	6
NSG 406	3
PHI 452	3
	34
TOTAL:	128

Family Relations Emphasis

FRESHMAN YEAR	SEM. HRS.
CSS 100	3
ENG 101, 102	6
FEM 150	2
HEE 101	1
HIS 101, 102	6
Laboratory Science	8
MAT 101	3
PSY 110, 110L	3
SOC 101	3
	35

SOPHOMORE YEAR	SEM. HRS.
AA 100	3
CD 350	3
ENG 203	3
FAM 151, 351	6
FN 362	3
Minor or Directed Electives*	6
PED 105	1
SCM 305	3
SOC 240	3
	31

JUNIOR YEAR	SEM. HRS.
CD 352, 451	6
FAM 450, 451	6
FEM 442, 443	6
HEE 401	3
Minor	6
PSY 372	3
	30

SENIOR YEAR	SEM. HRS.
CHS 422	3
CJ 463	3
Elective	2-5
FAM 452, 453, 475, 490	12-15
Minor or Directed Electives*	6
SOC 415	3
	32
TOTAL:	128

*Adviser must approve electives.

Requirements for a Minor in Family Relations

All students pursuing a minor in Family Relations must complete eighteen (18) hours in Family Relations and/or Child Development. The following courses are required for a minor in Family Relations: FAM 351, 450, 451. The remaining nine (9) hours may be selected from Family Relations and/or Child Development courses.

Requirements for an Interdisciplinary Minor in Gerontology

All students pursuing an interdisciplinary minor in Gerontology must complete eighteen (18) hours. The following courses are required for a minor in Gerontology: FAM 453, 490* (3 hours), and REC 452. The remaining nine (9) hours should be selected from the following courses: FAM 454, PSY 456, PED 406, NSG 406, and SOC 424.

*For the practicum, the student must be placed in the field of aging.

HOME ECONOMICS

Students majoring in Home Economics may emphasize the areas of Education or Business. Students who choose to emphasize Education complete the requirements for teacher certification as set forth by the Mississippi State Department of Vocational Education. Graduates are qualified to teach in secondary Vocational Home Economics Education programs. In addition, graduates may be employed by the Cooperative Extension Service, utility companies, and private or governmental agencies concerned with providing consumer services to individuals and families. (Students interested in pursuing a degree in Vocational Home Economics Education should also see the sections in this publication on "Teacher Education Programs.")

Students electing to emphasize Business will find opportunities for employment in settings such as utility companies, appliance/equipment manufacturers, retailing establishments, and supermarkets. Home Economists in Business may be consumer affairs directors, marketing and product development specialists, food or fashion journalists, communication specialists, and self-employed consultants.

Vocational Home Economics Education Emphasis

(Secondary Teacher Certification)

FRESHMAN YEAR	SEM. HRS.
BSC 103, 103L, 281, 281L	8
CT 131	3
ENG 101, 102	6
FEM 150	2
FSM 272, 272L	3
HIS 101, 102	6
MAT 101	3
PED 105	1
PS 101	3
	35

SOPHOMORE YEAR	SEM. HRS.
AA 100, ART 130, DAN 107, MUS 365 or THE 100	3
CD 350	3
CT 334	3
ECO 201	3
ENG 203	3
FAM 151	3
FN 261	3
FS 104 or 105	3
HEE 101, 201	4
PSY 110, 110L	3
SCM 111	3
	34

JUNIOR YEAR	SEM. HRS.
ENG 332	3
FAM 351, 452, or 453	3
FEM 345, 442, 443	9
FN 362	3
HEE 301	3
ID 337	3
PSY 372, 374	6
REF 400	3
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
HEE 401, 404, 409, 475, 490	24
REF 469	3
SPE 440	3
	35
TOTAL:	137

Home Economics in Business Emphasis

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CT 131	3
ENG 101, 102	6
FSM 272, 272L or FN 163	3
HEE 101	1
HIS 101, 102	6
Laboratory Science (BSC/CHE only)	8
MAT 101	3
SCM 111	3
	36

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
CSS 100 or MIS 201, 202	2-3
CT 330	3
ECO 201	3
FAM 151	3
FEM 150, 201	5
FN 261	3
ID 337	3
PS 101 or MIS 300	3
PSY 110, 110L	3
	32-33

JUNIOR YEAR	SEM. HRS.
CD 350	3
ENG 203	3
FEM 345	3
FN 362	3
HEE 301	3
JOU 202	3
MGT 300	3
MKT 300, 330	6
PED 105	1
SCM 305	3
Directed Elective*	3
	34

SENIOR YEAR	SEM. HRS.
BA 200	3
Directed Elective	3
FEM 441, 442, 443, 475	12
HEE 404	3
SCM 320, 330	6
	27
TOTAL:	129

*Junior/senior level Journalism or business courses approved by adviser.

HOTEL, RESTAURANT AND TOURISM MANAGEMENT

The Hotel, Restaurant and Tourism Management program encompasses the areas of food, lodging, and tourism, all of which are areas of growth with opportunities for careers which are both exciting and rewarding. Courses in hotel, restaurant and tourism management major are supported by related courses in business practices, marketing, management, along with experiences in the hospitality industry.

Students completing the hotel, restaurant and tourism curriculum can expect to find careers in a variety of service industries, including restaurant chains, cruise ships, catering enterprises, resort lodges, hotel properties, retirement villages, visitors bureaus, transportation companies, group tour operations, convention management, and so on.

REQUIREMENTS FOR A MAJOR IN HOTEL, RESTAURANT AND TOURISM MANAGEMENT

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FAM 151	3
Fine Arts Elective	3
HIS 101, 102	6
HRT 179	1
Laboratory Science Elective	4
MAT 101 or above	3
PED 105	1
PSY 110, 110L	3
SCM 111, 305, 320, or 330	3
	33

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
BA 200	3
BSC 281, 281L	4
ECO 201	3
ENG 203	3
FSM 272, 272L, 273	4
HRT 279, 375, 376	8
MIS 201, 202 or CSS 100	2-3
	30-31

JUNIOR YEAR	SEM. HRS.
Elective	3
FN 362	3
FSM 340, 340L, 370, 440, 440L	11
HRT 480, 481	6
MGT 300	3
MGT 364, 454 or 472	3
MKT 300	3
	32

SENIOR YEAR	SEM. HRS.
FSM 441, 442, 445, 475	12
HRT 478, 479, 482, 483	13-18
MKT 355, 365 or 458	3
	28-33
TOTAL:	128-129

Tourism Emphasis

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FAM 151	3
Fine Arts Elective	3
HIS 101, 102	6
HRT 179	1
Laboratory Science Electives	8
MAT 101 or above	3
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
BA 200	3
CSS 100	3
ECO 201, 202	6
ENG 203	3
FSM 272, 272L, 340, 340L	7
HRT 279	2
PS 101	3
SCM 111, 305, 320, or 330	3
	33

JUNIOR YEAR	SEM. HRS.
FN 362	3
HRT 375, 376, 481, 483, 485	15
JOU 421	3
MGT 300	3
MKT 300, 355	6
REC 447	3
	33

SENIOR YEAR	SEM. HRS.
ECO 440	3
FSM 475	3
HRT 478, 479, 480, 482, 494	14
MGT 364, 454 or 472	3
MKT 458	3
PSY 360	3
Directed Elective	3
	32
TOTAL:	129

Requirements for a Minor in Hotel, Restaurant and Tourism Management

A minor of Hotel, Restaurant and Tourism Management shall consist of a minimum of nineteen (19) hours. Required courses are HRT 179, 483, and FSM 272, 272L for a total of seven (7) hours. The remaining 12 hours of HRT or FSM electives are chosen with the advice of HRT/FSM faculty, depending on individual student interest in lodging, food or tourism. Courses not available in the minor are HRT 279 and 479.

Requirements for a Minor in Food Service Management

Students minoring in Food Service Management must complete a minimum of eighteen (18) hours as follows: FSM 272, 272L (3 hours) FSM 340, 340L (4 hours). Students may select from courses from the following to meet requirements for a minor in FSM: FSM 273, 370, 440, 440L, 441, 442, 470. The following courses may not be taken as part of the minor in FSM: FSM 473, 477, and 492.

Students desiring to minor in Food Service Management should contact an adviser in the School of Home Economics.

INTERIOR DESIGN

The program is for the student planning a professional career designing interior spaces within the human environment. The program's interdisciplinary approach addresses the needs and responsibilities of the professional interior designer. The curriculum contains courses in applied design as well as in related disciplines. The degree is accredited as a first professional degree level program by the Foundation for Interior Design Education Research (FIDER).

A student must earn a grade of "C" or better in each course of the interior design studio sequence (ID 238, 240, 320, 340, and 440), before taking the next course in the sequence. Before taking ID 442 a student must have an overall 2.50 GPA. Approval must be obtained through an application form available from the student's academic adviser.

Career opportunities exist in the following areas: architectural and industrial designing firms, department and furniture stores, furniture and textile manufacturing companies, hotel and restaurant chains, antique dealers, self-employment, etc.

REQUIREMENTS FOR A MAJOR IN INTERIOR DESIGN

FRESHMAN YEAR	SEM. HRS.
ACT 132	3
ART 101, 102, 111, 112	12
ENG 101, 102	6
FAM 151	3
HEE 101	1
ID 140, 238	6
MAT 101	3
PED 105	1
	35

SOPHOMORE YEAR	SEM. HRS.
ACT 303	3
ART 130	3
HIS 101, 102	6
ID 233, 234, 240, 339	12
PSY 110, 110L	3
SCM 111	3
SOC 101	3
	33

JUNIOR YEAR	SEM. HRS.
ID 320, 333, 334, 335, 336, 338, 340	25
Laboratory Science Electives	8
	33

SENIOR YEAR	SEM. HRS.
ACT 301	3
ART 332 or ACT 222	3
ENG 203, 333	6
FN 362	3
ID 440, 441, 442, 475, 490	18
	33
TOTAL:	134

SCHOOL OF HUMAN PERFORMANCE AND RECREATION

Walter H. Bumgardner, Director
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K. Bell, M. Bell, Boone, Bower, Burchell, Cooper, DeBoer, Ellard, Gallaspy, Giles, Grant, Green, C.M. Harrington, E.L. Harrington, Hubble, James, Larson, Maneval, Poole, Servedio, R. Smith, Thompson, Turk, Viator, Wilkes

The School of Human Performance and Recreation (HP&R) prepares professionals for career opportunities in meeting the complex health, leisure, and sport science needs of society. Students have the option of majoring in Coaching and Sports Administration, Physical Education, or Recreation. Within these majors students concentrate in the following emphasis areas: Athletic Training/Teaching, Athletic Training/Non-Teaching, Coaching and Sports Administration/Teaching, Coaching and Sports Administration/Professional (Non-Teaching), Exercise Science, Human Movement, Kinesiotherapy, Physical Education/ Teacher Certification, Commercial Recreation, Outdoor Recreation and Park Management, Recreational Programs and Leadership, and Therapeutic Recreation. Teacher certification is offered in cooperation with the College of Education and Psychology. Add-on teacher certification in Traffic and Safety Education is available. Programs leading to professional certification are offered in Athletic Training, Therapeutic Recreation and Kinesiotherapy. National Red Cross certifications in first aid and aquatics are also available. Students majoring in any area of Human Performance and Recreation should follow the program outline in their area of study. High school graduates and transfer students from community/junior colleges or other four-year colleges may be admitted to the School of HP&R in their chosen degree programs upon admission to the University. Students desiring to transfer from other schools or colleges within the University must be in good academic standing and possess a minimum GPA of 2.0 in order to be admitted to a degree program. Students entering the School of HP&R will be assigned to the appropriate faculty member for academic advisement. Consult the **Graduate Bulletin** for information on graduate programs.

Driver Education Certification

Students who wish to meet the teacher certification requirement to teach driver education in Mississippi schools must complete requirements for the Standard Class A certificate and the following courses: CHS 341, or CJ 332; TSE 440, 443, 445, and one course from CSA 370, TSE 441, 442, 444; or PED 311, 311L.

American National Red Cross Certification

The program offers certificates from the Red Cross in First Aid Instruction, Lifeguard Training Certification, Lifeguard Training Instructor Certification, Cardiopulmonary Resuscitation, Water Safety Instructor Certification, Standard First Aid Certification, Standard First Aid Instructor Certification, Responding to Emergencies Certification, Beginner through Swimmer level stroke instruction, and Instructor Candidate Training Program. Please consult an adviser in Physical Education for specific course requirements.

Aquatics Specialization

The School of Human Performance and Recreation offers a group of aquatic related courses across its various programs which may be of interest to students who wish to receive instruction leading to various certifications within the American Red Cross aquatic programs. Any USM student is eligible to be certified in the Aquatics Administration specialty by successfully completing the following classes as prescribed by the School of Human Performance and Recreation: CSA 364, 460; either CSA 360 or 361; and seven hours from the following: PED 160, 163, 360, 361; REC 300, 380; CSA 363 or 365.

The University Physical Education Service Program

In 100-level activity courses students learn the basic skills of life-time sports, fitness, and leisure activities which may be applied in the intramural program or during other leisure time. Upper level service courses offered are designed to provide in-depth skill development in a particular area of interest.

COACHING AND SPORTS ADMINISTRATION

A major in Coaching and Sports Administration leading to the Bachelor of Science degree is offered. In addition, a minor program, specialization programs in aquatics, athletic training, and officiating in competitive athletics are also available.

The objectives of the program in Coaching and Sports Administration are as follows:

1. To prepare athletic administrators and coaches for careers in the total education environment.
2. To prepare students majoring in coaching and sports administration for non-teaching careers.
3. To provide a minor in coaching and sports administration for students majoring in other academic disciplines.
4. To provide each student the opportunity to specialize for certification in the areas of aquatics, athletic training, and officiating in competitive athletics.

The Athletic Training emphases are approved by the National Athletic Trainers Association (NATA). All students seeking NATA certification must complete a minimum of 800 clock hours over a two-year period (400 per year minimum) under a certified athletic trainer. This is a part of the courses required in the programs of study described below.

Selection and continuation criteria include: (1) admission to The University of Southern Mississippi, (2) submitted application and three personal reference to the Director of the Athletic Training Program, (3) Personal interview with athletic training staff, (4) maintenance of 2.50 overall GPA, and (5) maintenance of 3.00 GPA in Athletic Training related coursework.

REQUIREMENTS FOR A MAJOR IN COACHING AND SPORTS ADMINISTRATION

Athletic Training/Teaching Emphasis

The purpose of this program is to provide professional training for teachers who will serve as athletic trainers in addition to their teaching responsibilities. The program requires a total of thirty-five (35) semester hours in coaching and sports administration. Students must also complete their professional requirements for secondary education and the general education requirements for secondary teachers. Teacher certification will be in the area selected by each student in conference with his or her adviser.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CSA 195	1
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
MAT 101	3
PED 105	1
Social Science	6
Elect two courses from the following areas (not more than 3 hours from any area): ANT, ECO, GHY, PS	
	34

SOPHOMORE YEAR	SEM. HRS.
CHS 101	3
CSA 274	2
CSA 295L, 296L	4
CSA 370	3
English (200 level or above)	3
ENG 203	3
FN 362	3
PED 311, 311L	4
PSY 110	3
SCM 111, 305, or 330	3
SOC 101	3
	34

JUNIOR YEAR	SEM. HRS.
CSA 372, 372L	3
CSA 374, 375, 378, 378L	9
CSA 376L, 377L	6
PED 301, 402, 402L	7
PSY 374	3
REF 400, 469	6
SPE 400	3
	37

SENIOR YEAR	SEM. HRS.
CSA 470	3
CSA 472L, 475, 477	9
CIS 313	3
CIS 474, 475, 476	5
CIS Specialty Methods	3
CIS (Student Teaching)	12
	35
TOTAL:	140*

*Students must take additional hours to complete the educational requirements for the selected area of teaching specialization. These hours vary among the areas of teaching certification available. Consult the academic adviser for specific requirements.

Athletic Training/Non-Teaching Emphasis

The purpose of this program is to provide professional training for students in athletic training desiring careers in non-teaching areas. These areas **must** be in a field such as kinesiotherapy, pre-physical therapy, or exercise science.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CSA 195	1
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111, 305, or 330	3
	31

SOPHOMORE YEAR	SEM. HRS.
CHS 101	3
CSA 274	2
CSA 295L, 296L	4
CSA 370	3
Elective	3
ENG 203	3
FN 362	3
PED 311, 311L	4
PSY 101	3
SOC 101	3
	31

JUNIOR YEAR	SEM. HRS.
CSA 372, 372L, 378, 378L	6
CSA 374, 375, 376L, 377L	12
Electives*	9
PED 301	3
PED 402, 402L	4
	34

SENIOR YEAR	SEM. HRS.
CSA 409	3
CSA 470	3
CSA 472L	3
CSA 475	3
CSA 477	3
Electives*	17
	32
TOTAL:	128

*Elective hours must come from areas in kinesiotherapy, pre-physical therapy or exercise science.

Professional Emphasis
(Non-Teaching)

The purpose of this program is to provide professional training for students desiring careers in areas such as: Armed Forces sports coaching, sports programming in private or semiprivate enterprise, coaching in private schools, municipal sports directors, front office operations and administration within professional sports organizations and public colleges and universities. Students pursuing the non-teaching emphasis shall not be required to take the professional teacher education requirements.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L	4
CHS 101	3
ENG 101, 102	6
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
Social Science	6
Elect from the following (not more than 3 hrs. from any area): ANT, ECO, GHY, SOC 101	
	33

SOPHOMORE YEAR	SEM. HRS.
CSA 300	3
CSA 303	3
CSA Electives (300 or above)	6
CSS 100	3
ENG (200 level or above)	3
ENG 203	3
Physical Science Elective (AST, GLY)	4
PSY 110, 110L	3
Science Elective	3
SCM 111	3
	34

JUNIOR YEAR	SEM. HRS.
CSA Elective (300 or above)	3
CSA 370	3
CSA 402	3
CSA 403	3
CSA 409	3
CSA 420	3
MGT 300	3
MKT 300	3
PED 314	3
PED 323	3
PED 326	3
REC 390	3
	36

SENIOR YEAR	SEM. HRS.
CSA 404	3
CSA 470	3
CSA 473	1-6
CSA Electives (300 or above)	6
JOU 421	3
PED 404	3
PED Electives (300 or above)	6
SOC 410	3
	28-33
TOTAL:	131-136

Four (4) hours in the following courses may be used to partially satisfy the coaching and sports administration elective requirement for the professional (non-teaching) emphasis: CSA 210, 211, 212, 213, 214, 215, 216, 217, 218.

Students satisfying the University core requirements and CSA non-teaching emphasis requirements may select (with approval of adviser) 18 hrs. from an academic minor to strengthen the non-teaching area of specialization within the following: Accounting, Management, Marketing, Finance and General Business, Military Science, Recreation and Physical Education. Courses selected in the minor area may substitute for the following 18 hrs. appearing in the non-teaching emphasis: CSS 100; JOU 421; MGT 300; MKT 300; SOC 410; REC 390 or PED 314, 323, 326, 404.

Teaching and Coaching Emphasis

The purpose of this program is to provide professional training for teachers who will administer and coach athletics in addition to their teaching responsibilities. The program requires a total of thirty (30) semester hours in coaching and sports administration. Students must also complete their professional requirements for secondary education and the general education requirements for secondary teachers. Teaching certification will be in the area selected by each student in conference with his or her adviser.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L	4
CHS 101	3
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
Social Science	6
Elect from the following (not more than 3 hrs. from any area): ANT, ECO, GHY, SOC 101	
	30

SOPHOMORE YEAR	SEM. HRS.
CSA Elective	3
CSA 303	3
English (200 level or above)	3
ENG 203	3
Fine Arts Elective	3
Laboratory Science	4
Mathematics or Science Elective	3
PSY 110	3
SCM 111	3
	28

JUNIOR YEAR	SEM. HRS.
CSA 370	3
CSA 409	3
CSA Electives	9
PED 311, 311L	4
PSY 374	3
REF 400, 469	6
SPE 400	3
	31

SENIOR YEAR	SEM. HRS.
CSA (Elect from 300, 420, 470)	6
CSA Elective	3
CIS 313	3
CIS 474, 475	2
CIS 476	3
CIS Specialty Methods	3
CIS Student Teaching	12
	32

TOTAL: 131

Students **must** consult with their adviser for additional teaching certification requirements in the specific academic content area.

Two (2) hours taken from the following elective courses may be used to satisfy partially the thirty (30) semester hour coaching and sports administration elective requirements for the professional emphasis: CSA 210, 211, 212, 213, 214, 215, 216, 217, 218.

Requirements for a Minor in Coaching and Sports Administration

All students pursuing a minor in Coaching and Sports Administration must complete eighteen (18) hours in CSA courses. The following courses are required for a minor in Coaching and Sports Administration: CSA 303, 370, and 409. The remaining nine (9) hours may be selected from other CSA course offerings, excluding varsity sports credit.

PHYSICAL EDUCATION

REQUIREMENTS FOR A MAJOR IN PHYSICAL EDUCATION

Human Movement Emphasis

The emphasis in Human Movement is a multi-varied curriculum enabling students to receive a Bachelor of Science degree in Physical Education. Students are encouraged to choose a minor in a related field.

FRESHMAN YEAR	SEM. HRS.
BSC 250/250L; Laboratory Science Elective	8
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
Social Science Electives (Choose from ANT, ECO, GHY, PS, SOC)	6
	31

SOPHOMORE YEAR	SEM. HRS.
CHS 101	3
ENG 203, English Elective	6
Fine Arts Elective	3
FS 104 or 105	3
PED 146, 147, 148, 220, 284	9
PED 311, 311L	4
PSY 110	3
SCM 111, 305, or 330	3
	34

JUNIOR YEAR	SEM. HRS.
CSA 370, 409	6
PED 301, 303, 314, 323, 404	15
REC 301	2
Minor	8
	31

SENIOR YEAR	SEM. HRS.
PED 320, 326, 401, 426	12
PED 402, 402L, 420	5
Minor	10
Electives	6
	33
TOTAL:	129

Teacher Certification Emphasis

This program is designed to train physical educators for public and private schools. In addition to meeting K-12 certification requirements in Mississippi, it is accredited by NCATE.

In order to meet graduation requirements in a timely manner, it is imperative that you meet the staging requirements of the College of Education and Psychology. These requirements are outlined in the College of Education and Psychology section of this **Bulletin**. Students are encouraged to consult advisers regarding certification requirements.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L; Laboratory Science Elective	8
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 101	3
PED 105	1
SOC 101	3
Social Science Elective (Choose from ANT, ECO, GHY, PS)	3
	31

SOPHOMORE YEAR	SEM. HRS.
CHS 101	3
ENG 203, English Elective	6
Fine Arts Elective	3
FS 104 or 105	3
PED 146, 147, 148, 284, 309 or 311, 311L	8-10
PSY 110	3
REC 301	2
SCM 111, 305, or 330	3
	31-33

JUNIOR YEAR	SEM. HRS.
CSA 409	3
PED 220, 301, 303, 314, 323, 404	18
PSY 374	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476, 491	17
PED 320, 326, 401, 402, 402L, 420, 426, 462	20
	37
TOTAL:	132-134

Students seeking kinesiotherapy certification in conjunction with teacher certification are also required to complete the following: PED 220, 404, 410, 411, 436; PSY 426, 436, and THY 411, 421, 454, 455, 461, 462, 463, 464, 471, 472, 473, 474. With successful completion of the National Kinesiotherapy Association Examination, the student will be certified in kinesiotherapy.

Kinesiotherapy Emphasis

This program is designed to prepare students seeking career opportunities which include: V.A. Centers, convalescent homes, athletic trainers, private practice in conjunction with a physician, etc.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Fine Arts Elective	3
HIS 101, 102	6
MAT 101	3
PED 105	1
PSY 110	3
SCM 111	3
SOC 101	3
	31

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CHS 101	3
PED 146, 147, 220, 301, 303, 311, 311L, 401, 411	21
	32

JUNIOR YEAR	SEM. HRS.
CSA 370, 374	6
FN 362	3
PED 323, 402, 402L, 404, 410, 426	16
THY 411, 421, 454	9
	34

SENIOR YEAR	SEM. HRS.
CHS 420	3
PSY 426, 436	6
THY 421, 461, 462, 463, 464, 471, 472, 473, 474	24
	33
TOTAL:	130

Exercise Science Emphasis

Exercise Science incorporates the scientific theory and application of physical exercise training to fitness and health promotion. The emphasis in Exercise Science is for students who are interested in studying the influence of physical activity and exercise on the physiological responses and adaptations of the body. This area of study prepares the student for a career as a fitness instructor or exercise specialist able to work with a variety of populations. Rehabilitative and preventive medicine fields provide employment opportunities for students ranging from fitness centers and health clubs to hospital and wellness settings. During the sophomore year, the student is expected to choose a related minor, after consultation with an adviser.

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L	4
CHS 101	3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111, 305, OR 330	3
Social and Behavioral Sciences Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
CSA 370	3
ENG 203	3
Electives	3
FN 362	3
Minor	9
Social and Behavioral Sciences Elective	3
	32

JUNIOR YEAR	SEM. HRS.
CHE 251, 251L	4
Electives	5
CHS 437	3
PED 301, 302, 303, 304, 402, 402L, 406	19
REC 411	3
	34

SENIOR YEAR	SEM. HRS.
CSA 373	3
CHS 438	3
Minor	9
PED 405, 420 (6 hrs.), 423, 430	15
	30
TOTAL:	128

Requirements for a Minor in Physical Education

All students pursuing a minor in Physical Education must complete eighteen (18) hours in Physical Education courses. The following courses are required for a minor in Physical Education: PED 314, 320, and 326. It is recommended that the remaining nine (9) hours be selected from PED 323, 401, 402, and 404. The nine (9) elective hours must be selected from non-activity physical education offerings.

RECREATION

Recreation offers professional preparation in four distinct areas of specialization within the broad field of recreation and leisure services. Completion of programs in the specialization areas of Commercial Recreation, Outdoor Recreation and Park Management, Recreation Programs and Leadership, or Therapeutic Recreation leads to a Bachelor of Science degree in Recreation with emphasis in the specialization. The program is accredited by the COPA approved National Council on Accreditation of Recreation and Parks Curricula.

REQUIREMENTS FOR A MAJOR IN RECREATION

Commercial Recreation Emphasis

This emphasis is designed to provide the educational preparation for those students wishing to enter the commercial recreation field. Employment opportunities exist both in established recreation-oriented facilities and for the entrepreneur wishing to develop his or her own commercial recreation service. Typical jobs include leisure services positions within travel industry (e.g. resorts, theme parks, cruise lines, hotels, etc.) and within the community setting in those businesses which cater to leisure needs of clients (water parks, sports malls, golf centers, etc.)

The curriculum listed below outlines the minimum requirements for the commercial recreation emphasis. It is recommended that remaining elective hours be selected to complete a minor in a related area such as Marketing, Management, Hotel, Restaurant and Tourism Management, or Business Administration.

FRESHMAN YEAR	SEM. HRS.
Category I, II, or III Elective (CHS 101 Recommended)	3
ENG 101, 102	6
ENG 203	3
Laboratory Science	4
MIS 201, 202	2
MAT 101	3
PED 105	1
PSY 110	3
REC 200, 201, 2 activities	8
	33

SOPHOMORE YEAR	SEM. HRS.
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
Laboratory Science	4
SCM 111	3
SOC 101	3
REC 210, 322, 323, 344, 351	13
	33

JUNIOR YEAR	SEM. HRS.
ACC 200	3
Adviser Approved Electives**	6
ENG 333	3
MGT 300	3
REC 211, 413, 415, 417, 434, 436	16
Natural Science Elective	3
	34

SENIOR YEAR	SEM. HRS.
Adviser Approved Electives**	3
HRA 483	3
MKT 300	3
PED 309	2
REC 212, 402, 444, 447, 464	13
REC 495*	9
	33
TOTAL:	133

*Internship should be last course of curriculum, normally taken during summer term.
**Adviser approved electives are selected by student and approved by adviser based on specialization.

Outdoor Recreation and Park Management Emphasis

This program provides a curriculum with concentration in the outdoor recreation planning and management aspect of parks and recreation. It has been designed for students who desire career recreation planning and/or management specialties. Such specialists work as park and recreation planners, park managers, park rangers, camp directors, and interpreters.

FRESHMAN YEAR	SEM. HRS.
Category I, II, or III Elective (CHS 101 Recommended)	3
ENG 101, 102	6
ENG 203	3
Laboratory Science	4
MAT 101	3
PED 105	1
PSY 110	3
REC 200, 322, 2 activities	8
	31

SOPHOMORE YEAR	SEM. HRS.
ENG 333	3
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
Laboratory Science	4
MIS 201, 202	2
REC 201, 210, 323, 351, 1 activity	11
SCM 111	3
	33

JUNIOR YEAR	SEM. HRS.
Adviser Approved Electives**	3
CJ 341	3
GHY 102	3
MGT 300	3
PED 311, 311L	4
REC 211, 402, 413, 415, 417, 447	14
SOC 101	3
	33

SENIOR YEAR	SEM. HRS.
Adviser Approved Electives**	6
GHY 317 or 370	3
Natural Science Elective	3
REC 212, 434, 436, 441, 443, 1 activity	14
REC 495*	9
	35
TOTAL:	132

*Internship should be last course of curriculum, normally taken during summer term
**Adviser approved electives are selected by student and approved by adviser based on specialization.

Recreation Programs and Leadership Emphasis

This curriculum is designed for students with career interests in any of a variety of agency settings in which recreation programs are delivered. Examples of employment opportunities include: county and municipal recreation agencies, youth serving agencies including the YMCA, Boys Clubs, Scouting, etc., civilian employment in military recreation, church recreation, commercial recreation agencies and resorts.

FRESHMAN YEAR	SEM. HRS.
Category I, II, or III Elective (CHS 101 Recommended)	3
Elective	3
ENG 101, 102	6
ENG 203	3
Laboratory Science	4
MAT 101	3
MIS 201, 202	3
PED 105	1
PSY 110	3
REC 200, 2 activities	5
	33

SOPHOMORE YEAR	SEM. HRS.
Elective	3
Fine Arts Elective	3
HIS 101, 102	6
Laboratory Science	4
REC 201, 210, 322, 323, 2 activities	12
SCM 111	3
SOC 101	3
	34

JUNIOR YEAR	SEM. HRS.
Adviser Approved Electives**	6
ENG 333	3
Elective - Natural Science	3
FN 167	1
PED 311, 311L	4
PS 370	3
REC 211, 212, 341, 351, 390	10
	30

SENIOR YEAR	SEM. HRS.
Adviser Approved Elective**	3
MGT 300	3
REC 402, 413, 415, 417, 424, 434, 436	19
REC 495*	9
	34
TOTAL:	131

*Internship should be last course of curriculum, normally taken during summer term.
**Adviser approved electives are selected by students and approved by adviser based on specialization.

Therapeutic Recreation Emphasis

This program provides professional preparation for students interested in working within health care settings. Graduates function is recreation therapists in psychiatric rehabilitation, physical rehabilitation, mental retardation, pediatrics, geriatric settings, and in community-based treatment and social services agencies and are eligible for professional certification by the National Council for Therapeutic Recreation Certification.

FRESHMAN YEAR	SEM. HRS.
BSC 250, 250L	4
Category I, II, or III Elective (CHS 101 Recommended)	3
ENG 101, 102	6
ENG 203	3
MAT 101	3
PSY 110, 110L	3
REC 200, 322, 1 activity	7
	29

SOPHOMORE YEAR	SEM. HRS.
BSC 251, 251L	4
Fine Arts Elective	3
FN 167	1
HIS 101, 102	6
MIS 201, 202	2
PED 105	1
REC 201, 210, 323, 350, 351	13
SCM 305 or 330	3
	33

JUNIOR YEAR	SEM. HRS.
Adviser Approved Electives	6
FN 362 or Category IV Elective	3
PED 309	2
PED 301, 402, 402L	7
REC 211, 212, 402, 411, 413, 417, 434	15
	33

SENIOR YEAR	SEM. HRS.
Adviser Approved Electives	12
PSY 436	3
REC 415, 436, 450, 451, 452, 453	16
REC 495*	9
	40
TOTAL:	135

*Internship should be last course of curriculum, normally taken during summer term.

Requirements for a Minor in Recreation

All students pursuing a minor in Recreation must complete eighteen (18) hours in Recreation courses. The following courses are required for a minor in Recreation: REC 200, 322, and 323. The remaining nine (9) hours may be selected from other non-activity Recreation course offerings. It is highly recommended that students choose REC 351 as one of the remaining electives.

SCHOOL OF NURSING

R. Joyce Bain, Director

Mary H. Huch, Assistant Director, Administration

Karen S. Lundy, Assistant Director, Undergraduate Programs

Bonita R. Reinert, Assistant Director, Graduate Program

Hattiesburg, MS 39406-5095

(601) 266-5445

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Bates, Bauer*, Benjamin, B. Bowman, Bryson, D. Davis, Donaldson*, Dubuisson, Eidson, G. Ferguson*, Finnegan*, Freeman, Fryback, Futcher, Hagan, J.V. Harris, Hartman, Haspeslagh, Henrion*, T. Hildman, Hobson, Hurst, Kurtz, Lester, F. Martin, McGrew, Mignor, J.L. Morgan, Morrison, S. Porter, Ptak, Reinert, Richeson, Sagan, Scott, Sheridan*, Shoemake, Simonson, M. Sisemore, Slutzker, Toney*, Trippet

*Adjunct Faculty

HISTORY

Following a year of planning and curriculum development, the first students were admitted to the School of Nursing in September, 1967. The School of Nursing received National League for Nursing accreditation in 1969. The first Bachelor of Science degrees with Nursing as a major were conferred in May, 1969. The degree title was changed to Bachelor of Science in Nursing (BSN) April 1991.

ACCREDITATION

The School of Nursing program is accredited by the National League for Nursing and approved by the Board of Trustees of State Institutions of Higher Learning.

BACCALAUREATE PROGRAM

The Baccalaureate Program offers broad preparation in general education, as well as education for the professional practice of nursing in a variety of settings. Courses in the liberal arts and humanities, the sciences, and the professional component are selected to prepare the student to assume effectively the role of a citizen and professional practitioner.

Successful completion of the nursing program leads to the awarding of the Bachelor of Science in Nursing Degree and permits the student to make application to take the National Council Licensure Examination - R.N. Applicants who have been convicted or have charges pending against them for a felony or misdemeanor in any state may be denied to sit for the licensure examination by the State Board of Nursing. Part-time studies are available; however, full-time students will be given priority for class space.

ADMISSION

All students entering the School of Nursing directly from high school and all students transferring to the School are subject to the admission procedures and standards of the University. Admission to The University of Southern Mississippi as a prenursing student does not ensure progression to the upper division nursing major.

Students having completed at least 75% of the prerequisite nursing courses may make application to the School of Nursing. Application forms may be obtained through the Office of Student Services, Room 116 Harkins Hall. The deadline for return of completed applications is as follows:

Fall term admission—March 1.
Spring term admission—October 15.

In addition, the following minimum requirements must be met for consideration for admission to the School of Nursing.

1. An Enhanced ACT of 21 or above. A corresponding score on the ACT taken prior to October 1989 or the SAT is acceptable.
2. An overall grade point average of 2.5 on courses prerequisite to the nursing major.
3. A minimum of a C in each prerequisite course applicable to the nursing curriculum. Note: A natural science course may be repeated one time only.
4. Statistics and the elective may be completed following admission to nursing.

The number of students admitted each semester will vary according to the resources available. Mississippi residents will receive priority in admission to the School of Nursing.

Students not meeting the above requirements may request a conditional admission.

PROGRESSION

The following progression policies apply to all students admitted to the School of Nursing.

1. Only one nursing course may be repeated. The student may repeat this course one time.
2. Maintain a minimum grade point average of 2.5 in Nursing courses taken after admission to the School of Nursing.
3. Obtain a grade of C or higher in each course of the nursing curriculum.
4. Meet the standards of conduct of the ANA Code of Nursing.
5. Demonstrate safe practice in laboratory courses. Practicing out of the safe domain is a basis for student dismissal.
6. Each course having a nursing prefix must be passed with a grade of C or higher to meet graduation requirements.

READMISSION

Students who have previously enrolled in nursing courses and have a break in attendance of one or more terms must file an application for readmission to the School of Nursing. The deadline for return of completed applications is as follows:

Fall term readmission—March 1.
Spring term readmission—October 15.

Students are subject to the curriculum plan of study as outlined in the Undergraduate Bulletin of the year of readmission. Students must also meet the readmission policies of the University.

STUDENT ADVISEMENT

Each student admitted to the program will be assigned an adviser. The adviser will assist the student in planning a program of study toward the degree, approve the schedule each semester, provide counsel, and sign the application for degree.

EXPENSES

The general fees and expenses are the same for nursing students as for other University students. Additional expenses incurred by nursing students such as uniforms, books, insurance, student nurse organization fees, etc., are estimated as follows:

3rd Year	4th Year
$500.00	$200.00

Travel: Students are responsible for arranging transportation to off-campus hospitals and other agencies which constitute part of the program.

INSURANCE

Students in the nursing major of the nursing program are required to have professional and personal liability insurance. Automobile liability insurance is required.

HEALTH EXAMINATION

A health examination is required for admission to the upper division and yearly for the remainder of the time required to complete the program.

SAFE CLINICAL PRACTICE

Safe practice is defined as the correct application of scientific principles in performing nursing care. Care provided by a student should be delivered in a reasonable and prudent manner with awareness of the potential effect of actions and decisions. Such actions and decisions shall not endanger the mental and physical health and well being of the patient.

IMPAIRED STUDENT NURSE POLICY

Exhibition of chemically impaired or abnormal behavior is a basis for dismissal from the School of Nursing. When a nursing faculty member observes a student exhibiting such behavior, the stipulated procedure will be initiated.

REQUIREMENTS FOR A MAJOR IN NURSING

FRESHMAN YEAR	SEM. HRS.
CHE 101/101L, 102/102L	8
ENG 101, 102	6
HIS 101, 102	6
MAT 101	3
PSY 110	3
SOC 101	3
Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 250/250L, 251/251L	8
BSC 280	3
Computer Science Elective	3
ENG 203	3
Fine Arts Elective	3
FN 367	3
PSY 360, 375	6
SCM 111 or 305	3
SOC 314	3
	35

JUNIOR YEAR	SEM. HRS.
NSG 312	3
NSG 313	3
NSG 325	5
NSG 325L*	0
NSG 326	2
NSG 327	7
NSG 327L*	0
NSG 328	6
NSG 328L*	0
NSG 344	4
NSG Elective	3
	33

SENIOR YEAR	SEM. HRS.
NSG 412	7
NSG 412L*	0
NSG 413	7
NSG 413L*	0
NSG 427	7
NSG 427L*	0
NSG 428	6
NSG 428L*	0
NSG 429	3
NSG 429L*	2
NSG 490	2
	34
TOTAL:	134

*Laboratory courses must always be taken concurrently with the credit course of the same nursing number.

REGISTERED NURSE STUDENTS[1]

Registered nurse students must complete the same Bachelor of Science degree prerequisites as all other degree candidates in the School of Nursing. The prerequisites may be taken at The University of Southern Mississippi or at another accredited college or university. (See University **Bulletin** for limitation of transfer credits.) The registered nurse student is eligible to establish credit in nursing through successful completion of examinations.

Registered nurse students may validate up to 30 hours of credit by examination. NSG 361, 362, and 363 involve taking standardized examinations prepared by the National League for Nursing. NSG 307 includes a written test and demonstration of clinical skills. The student must be admitted to the University to enroll in these courses. Enrollment can be affected during any term prior to certification to the upper division nursing courses. If the student fails one or more of the validation examinations, he or she will be permitted to repeat the examination(s). If the student fails the second time, he or she must take the comparable courses in the baccalaureate program. Upon successful completion of the validation examinations, the registered nurse student is eligible to pursue the following required nursing courses for completion of degree requirements.

Course		Hours
NSG 326	Nursing Research	2
NSG 403	Approaches to Nursing	3
NSG 427	Community Health Nursing	7
NSG 427L*	Community Health Nursing Laboratory	0
NSG 428	Adult Health Nursing III	6
NSG 428L*	Adult Health Nursing III Laboratory	0
NSG 429	Leadership	5
NSG 429L*	Leadership Laboratory	0
NSG 453	Basic Assessment	3
NSG 492	Directed Study of Nursing	3
Nursing Electives		6

*This course must be taken concurrently with the credit course with the same number.

For further information write or call:

Coordinator, Student Services
School of Nursing
Southern Station Box 5095
Hattiesburg, MS 39406-5095
(601) 266-5456

[1]Registered nurse student is a student who is: (1) A graduate from either an associate degree program in nursing or a diploma nursing program; (2) registered to practice nursing in Mississippi; and (3) admitted to and enrolled in The University of Southern Mississippi with the nursing major.

SCHOOL OF SOCIAL WORK

Beulah R. Compton, Director
K. Carolyn Brooks, Baccalaureate Program Acting Director
Hattiesburg, MS 39406-5114
(601) 266-4163

Edwards, Grote, Laverman, Saxon, Smith, Zimmerman

PURPOSE

The primary purpose of the School of Social Work is to provide professional social work education to undergraduate and graduate students. The social work profession recognizes the bachelor's degree as the first practice degree. The primary objective of the undergraduate program in social work is the preparation of students for beginning professional social work practice. The undergraduate program will also prepare students to enter graduate schools of social work or other professional degree programs.

BACCALAUREATE SOCIAL WORK EDUCATION

The Baccalaureate program offers broad preparation in general education, as well as education for the professional practice of social work in a variety of settings. Courses in the liberal arts and humanities, the sciences, and the professional component are selected to prepare the student to assume effectively the role of citizen and professional practitioner.

Social work is concerned with the interaction between people and their environment. Social workers deal directly with people in efforts to prevent or resolve problems which inhibit growth and development. Social work practice includes work with individuals, families, groups, organizations, and communities. The undergraduate social work program is structured to provide students with an opportunity to develop a broad background in the social and behavior sciences. Theoretical knowledge of individual development, group processes, and organizational behavior are integral components of the curriculum. The development and modification of social policy, practice skills in interviewing, research, and methods of intervention are required social work courses to prepare students for social work generalist practice. In addition to required courses in the major, students are expected to gain practical experience through a field practicum in a social work agency during their senior year. Field practicums will be assigned upon recommendation of a student's academic adviser. Thus, a liberal arts background is combined with social work course work to help students develop a common core of knowledge and skills. The educational program and field practicum prepares students for beginning level social work practice.

EMPLOYMENT OPPORTUNITIES

Graduates will find positions in a wide variety of private or public agencies and organizations. Employment opportunities are available in child welfare services, youth courts, health departments, domestic abuse centers, adolescent and children's group homes, mental health centers, departments of public welfare, nursing homes, and hospitals.

STRUCTURAL CHANGES

The undergraduate courses in social work were transferred from the Department of Sociology and Anthropology to the School of Social Work effective July 1, 1988. The Bachelor of Social Work degree was approved by the Board of Trustees of the State Institutions of Higher Learning in December, 1989. The School of Social Work has revised the curriculum to meet social work licensure requirements. The Council on Social Work Education granted candidacy status to the baccalaureate program in June, 1990. Current information on the status of accreditation may be obtained from the School of Social Work, 201 McLemore Hall, (601) 266-4163.

ADMISSIONS

All students entering the School of Social Work directly from high school and all students transferring to the School are subject to the admission procedures and standards of the University. Admission to the School of Social Work at The University of Southern Mississippi does not ensure progression to the upper division social work major.

Students having completed at least 75% of the prerequisite social work courses may make application to the School of Social Work. Application forms may be obtained from the School

of Social Work, Room 201, McLemore Hall. The deadline for return of completed applications is:

Fall term admission—June 1.

In addition, the following minimum requirements must be met for consideration for admission to the School of Social Work:

1. An overall grade point average of 2.5 on courses prerequisite to the Social Work major.
2. A minimum of a C in each prerequisite course applicable to the social work curriculum. **Note:** A social work course may be repeated one time only.
3. Statistics and the elective may be completed following admission to social work.

The number of students admitted each semester will vary according to the resources available.

Students not meeting the above requirements may request a conditional admission.

PROGRESSION

The following progression policies apply to all students admitted to the School of Social Work:

1. Only one social work course may be repeated. The student may repeat this course one time.
2. Maintain a minimum grade point average of 2.5 in social work courses taken after admission to the School of Social Work.
3. Obtain a grade of C or higher in each course of the social work curriculum, with the exception of field instruction.
4. Obtain a grade of B or higher in field instruction.
5. Meet the standards of conduct of the Social Work Code of Ethics.
6. Each course having a SWK prefix must be passed with a grade of C or higher to meet graduation requirements.

STUDENT ADVISEMENT

Each student admitted to the program will be assigned an adviser. The adviser will assist the student in planning a program of study toward the degree, approve the schedule each semester, provide counsel, and sign the application for degree. Advisement is an essential component of the BSW program. Its purpose is to provide counsel, guidance, and support to students in their efforts to achieve their educational goals. When requested or required, the adviser also helps students resolve personal problems that affect the attainment of their goals.

PROBATION AND SUSPENSION

Probation and suspension regulations of the University are outlined in this **Bulletin** under "Academic Organization and Requirements." School of Social Work students not meeting the University grade point requirements will be placed on probation or suspended. Academic advisers should be consulted to assist students on probation. Any reinstatement must comply with University regulations and have approval of a School of Social Work adviser.

GRADUATION REQUIREMENTS

Students must file an "Application for Degree" at least one semester in advance of the anticipated semester of graduation. The application requires the signature of the student, the adviser, and the director. The degree application becomes official when it is approved by the Dean's office and is verified by the Office of Admissions and Records.

In order to graduate, the student must meet all prescribed course requirements. The last sixty-five (65) hours of course work must be taken in a senior college with thirty-two (32) of those hours completed on the Hattiesburg campus of USM.

In addition to meeting all coursework requirements, students must have a 2.5 grade point average in the School of Social Work. Students must have attained a grade of B in Field Education. Transfer students must meet the foregoing grade point average requirements for all courses taken at USM and must also have a 2.0 average for all attempted college coursework.

Students may elect to complete a minor field of study. Advisers will assist the student in selecting courses to complete the minor. The requirements for a minor in the department of the minor field of study must be followed.

FIELD EDUCATION

After completing all coursework, students enroll in a field practicum. The practicum allows students to execute the generalist problem-solving method in an agency with individuals, families, groups, organizations, and communities from diverse racial, ethnic, cultural, sexual, social, physical and religious backgrounds. Students practice in a social work agency or

organization for eight hours per day, Monday through Friday, for the entire semester. To promote integration of classroom learning and agency experience, students attend a field seminar on Friday. The student must obtain a grade of B or higher in Field Education in order to be awarded a Bachelor of Social Work Degree.

REQUIREMENTS FOR FIELD PRACTICUM

The student must submit formal application to the Director of Field Education 90 days prior to registering for field practicum. All practicum students: (1) must have completed all school of social work liberal arts curriculum (59 hours), (2) must have completed 57 hours of the social work core curriculum and foundation electives, (3) must have attained a 2.5 overall grade point average in SWK courses from the point of application, (4) must have been admitted to the School of Social Work, (5) must register for SWK 431-Senior Seminar, (6) must expect to spend a minimum of 400 clock hours in a field setting designated by the Director of Field Education.

REQUIREMENTS FOR A BACHELOR OF SOCIAL WORK DEGREE

FRESHMAN YEAR	SEM. HRS.
Biological Science with Laboratory	8
CSS 100, 211 or 212	3
ENG 101, 102	6
Fine Arts Elective	3
FN 167	1
Foreign Language (Spanish Recommended)	3
MAT 101 (or higher)	3
PED 105	1
PHI 151 or REL 131	3
PSY 110, 110L	3
	34

SOPHOMORE YEAR	SEM. HRS.
Applied Science Elective	3
ENG 203 plus an additional course chosen from ENG 201, 202, 205, 350, 370, or 371	6
Foreign Language (Spanish Recommended)	3
HIS 101, 102	6
PS 101, ECO 200, or 201	3
SCM 111, 305 or 330	3
SOC 101, 240	6
SWK 230, 300	6
	36

JUNIOR YEAR	SEM. HRS.
Psychology Electives*	3-6
Sociology Electives*	3-6
Speech Communication Electives*	3-6
SWK 320, 321	6
SWK Electives*	6-12
	33

SENIOR YEAR	SEM. HRS.
Electives	9
Statistics Elective*	3
SWK 330, 331, 420, 430, 431	19
	31
TOTAL:	134

*Restricted electives; consult adviser.

CENTER FOR COMMUNITY HEALTH

Lynn Cook Hartwig, Director

Hattiesburg, MS 39406-5122

(601) 266-5437

Barnes, Carver, Graham-Kresge, Mayfield, Ptak, Taylor, White

The Center For Community Health was created in 1989 as an organization focus for expanded activities in community health within the College of Health and Human Sciences. Initial offerings from the Center include the areas of Health Education and Health Policy and Administration. The Center offers both undergraduate and graduate degrees in Health Education preparing students to work with individuals and communities as they make lifestyle decisions that affect their health. The Center also serves as a base for interdisciplinary research and demonstration activities in such areas as rural health policy, community programs for the elderly, access to health care for vulnerable populations, and disease prevention and health promotion.

The Center for Community Health offers a major in Health Education. Health Education is an applied science which seeks to bridge the gap between the findings of health-related research and the application of the findings of the daily lives of those who engage its services. Its functions are based on scientific principles, and its processes employ intellectual, psychological, and social dimensions as it attempts to increase the abilities of people to make informed decisions about matters which affect personal, family, and community well-being.

REQUIREMENTS FOR A MAJOR IN HEALTH EDUCATION

Community Health Education Emphasis

This program of studies is designed to prepare students for professional careers in health education positions in volunteer health agencies, special categorical health education programs, private agencies and industries, public health departments, and other governmental agencies and programs. The program requires study in foundations of health science, health education content areas, community organizations and groups, educational theory and methodology, and communications. During the sophomore year, the student is to select an approved area of concentration. Suggested areas include: Speech Communication, Counseling Psychology, Psychology, Exercise Science, or Food and Nutrition. Other areas can be negotiated with the student's adviser.

FRESHMAN YEAR	SEM. HRS.
CHS 101, 102	6
CSS 100	3
ENG 101, 102	6
Fine Arts Elective	3
HIS 101, 102	6
MAT 101	3
PED 105	1
SCM 111, 305 or 330	3
	31

SOPHOMORE YEAR	SEM. HRS.
CHS 321, 408, 440	9
CHS Electives	6
ENG 203	3
ENG 333	3
FN 362	3
PSY 110 and SOC 101	6
	30

JUNIOR YEAR	SEM. HRS.
BSC 250/250L, 251/251L	8
CHS 409, 412, 425	9
CHS Electives	6
Electives (minor)	9
MKT 300	3
	35

SENIOR YEAR	SEM. HRS.
CHS 493	6
CHS Electives	6
Electives (minor)	9
PED 402 or 405	3
Approved Elective	3
PSY 432, CPY 436	6
	33
TOTAL:	129

School Health Education Emphasis

Due to a 1992 revision in Mississippi certification standards, students with an interest in school health education should seek advisement in the Center for Community Health.

Requirements for a Minor in Health Education

Student pursuing a minor in Health Education must complete a minimum of eighteen (18) hours of CHS courses including CHS 101, 210, and 409.

COLLEGE OF LIBERAL ARTS
ACADEMIC OFFERINGS
1992-1993

School/Department/Program	Major/Emphasis	Degree
SCHOOL OF COMMUNICATION		
ADVERTISING (P)****		
	ADVERTISING*	BA
COMMUNICATION (P)****		
	COMMUNICATION	BA
JOURNALISM*		
	JOURNALISM*	BA
	Journalism Education Emphasis	
	News-Editorial Emphasis	
	Photojournalism Emphasis	
	Public Relations Emphasis	
RADIO, TELEVISION, AND FILM*		
	RADIO, TELEVISION, AND FILM	BA
	Broadcast Journalism Emphasis	
	Broadcast Management and Sales Emphasis	
	Film Emphasis	
	Radio-Television Production Emphasis	
SPEECH COMMUNICATION		
	SPEECH COMMUNICATION*	BA
SCHOOL OF LIBRARY SCIENCE		
	LIBRARY SCIENCE*	BA
AEROSPACE STUDIES		
AMERICAN STUDIES (P)****		
	AMERICAN STUDIES*	BA
CRIMINAL JUSTICE		
	CRIMINAL JUSTICE*	BA
	Corrections Emphasis	
	Juvenile Justice Emphasis	
	Law Enforcement Emphasis	
ECONOMICS (P)****		
	ECONOMICS	BA
ENGLISH		
	ENGLISH*	BA
FOREIGN LANGUAGES AND LITERATURES		
	FOREIGN LANGUAGES* (HUMANITIES)***	BA
GEOGRAPHY AND AREA DEVELOPMENT		
	COMMUNITY AND REGIONAL PLANNING*	BA
	GEOGRAPHY*	BA
	Geographic Information Technology Emphasis	
HISTORY		
	HISTORY*	BA
INTERNATIONAL STUDIES (P)****		
	INTERNATIONAL STUDIES*	BA
MILITARY SCIENCE		

PARALEGAL STUDIES (P)****		
	PARALEGAL STUDIES*	BA
PHILOSOPHY AND RELIGION		
	PHILOSOPHY*	BA
	Religion Emphasis	
POLITICAL SCIENCE		
	POLITICAL SCIENCE*	BA
	(PRE-LAW)**	
SOCIAL STUDIES (P)****		
	SOCIAL STUDIES*	BA
SOCIOLOGY AND ANTHROPOLOGY		
	ANTHROPOLOGY*	BA
	(ASIAN STUDIES)***	
	SOCIOLOGY*	BA
SPEECH AND HEARING SCIENCES		
	EDUCATION OF THE DEAF*	BA
	SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY*	BA

*Minor Available

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***Minor Only Available

****(P) Programs

COLLEGE OF LIBERAL ARTS

Glenn T. Harper, Dean

Stanley R. Hauer, Associate Dean

Hattiesburg, MS 39406-5004

(601) 266-4315

Mission and Organization

The College of Liberal Arts offers a wide range of academic majors in communication, the humanities, social sciences, and related disciplines. All major programs in the College award the Bachelor of Arts (B.A.) degree.

The collegiate general curriculum is listed below; this core curriculum is the foundation upon which a liberal education is based, encouraging students to think logically and creatively, communicate effectively, and write clearly. These are skills essential to any modern professional career. At the same time, students enrolled in the College of Liberal Arts are prepared in a special field of expertise, with a major and (usually) a minor, allowing a wide choice of career fields.

As the chart of academic offerings on the previous pages shows, the College of Liberal Arts is organized into two schools and fourteen departments, plus several interdisciplinary programs. In the sections below, the two schools (Communication and Library Science) are presented first, with the constituent departments and programs of the School of Communication listed there. Then follow the remaining units in alphabetical order. All programs offer an academic major and/or minor. Most also have graduate programs, for descriptions of which consult the **Graduate Bulletin.**

Standards for Admission and Transfer

High school graduates and transfer students from other accredited colleges or universities may be admitted directly to the College of Liberal Arts and to their chosen major programs. Students desiring to transfer to the College of Liberal Arts from another college within The University of Southern Mississippi must be in good academic standing; normally they must present a minimum GPA of 2.0 in order to be admitted to a major program. (Some programs have higher admission standards; see the individual program listings below for specific requirements.) Students entering the College will be assigned to an appropriate faculty member for academic advisement.

Foreign Language Requirements

The Bachelor of Arts degree offered by the College requires proficiency in a foreign language, to be chosen from any one of the following: French, German, Classical Greek, Italian, Japanese, Latin, Russian, or Spanish. Normally twelve (12) hours of beginning and intermediate foreign language instruction are required, through course level 202; however, students with previous experience in languages (such as from high school courses) may satisfy this requirement through advanced placement in as few as six hours (course level 201, 202). International students may use their native language as an exemption from this requirement, with the approval of their department chair and the dean. Students are encouraged to begin their study of foreign language in the freshman year.

Secondary Teacher Certification

The College of Liberal Arts offers several programs leading to teacher certification at the secondary level. Students pursuing such programs must satisfy the general curricula and academic standards of both the College of Liberal Arts and the College of Education and Psychology. Students should plan to complete thirty-two (32) hours of professional education courses: in the first semester of the junior year REF 400 and PSY 374, followed in the second semester by SPE 400 and REF 469; in the first semester of the senior year CIS 474, CIS 475, and an Area Methods course, followed by a second semester of Student Teaching (carrying twelve hours credit) and CIS 476. (These requirements are subject to modification; for more recent information students should contact the University's Teacher Certification adviser, 116 EPB; 266-5522.)

The State Department of Education also provides an alternate route to certification for graduates of an accredited college or university. For details and specific procedures contact:

The Office of Teacher Certification
State Department of Education
Post Office Box 771
Jackson, Mississippi 39205
Telephone: 359-3483

GENERAL STUDIES PROGRAM

Kara Craig, Director
Hattiesburg, MS 39406-5112
(601) 266-5003

The General Studies program provides an organized plan of advisement for students undecided in their academic majors. Ordinarily such students will be expected to pursue the academic standards and requirements of the general curriculum of the College of Liberal Arts, preparing for a major in that College. Students who have determined an interest in a field of study outside of the College of Liberal Arts (though they have not yet decided on the exact major) should enroll as undeclared majors within the college of that field. However, since much of the University's General Education Curriculum is housed in the College of Liberal Arts, the General Studies program is the appropriate place for students who wish to sample university life and various fields of study before declaring a definite major. Students may, if they wish, pursue the General Education Curriculum of the University, not the more specific collegiate document.

Advisement in the General Studies program is coordinated by the program director; but in so far as possible, each student will be assigned to an individual faculty member for personal advising and career guidance.

Ordinarily the General Studies program enrolls only first-term freshmen, though transfer students may be admitted with the consent of the director. As with all of the programs in the College of Liberal Arts, transfer to General Studies requires at least a 2.0 GPA. Students may remain in the General Studies program only through sophomore status; usually the program does not accept juniors.

The General Studies program also administers the academic course GS 101, offering two hours' academic credit. This course provides a valuable introduction to the university experience, covering such topics as study skills, taking notes and tests, time management, campus resources, and University policies and procedures. GS 101 is open to all new students throughout the University.

GENERAL EDUCATION REQUIREMENTS IN THE COLLEGE OF LIBERAL ARTS

(All majors award the Bachelor of Arts degree.)

HOURS

I. Reasoning and Communication Skills (12 hours)
ENG 101, 102 6
MAT 101 or higher level 3
SCM 111, 305, 320, or 330 3

II. Humanities and Fine Arts (30-33 hours*)
ENG 203 3
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, THE 100) 3
Foreign Language (completion through course level 202; as few as six hours may suffice, depending upon placement) 12
HIS 101, 102 6
*Humanities elective(s):
Three to six hours chosen from any of the following, with no more than three hours from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370 3-6
PHI 151 or REL 131 3

III. Social and Behavioral Sciences (12-15 hours*)
Choose from at least four of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314.

IV. Natural and Applied Sciences (11 hours)
Laboratory science (recommended courses include AST 111/111L; 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any Category IV Laboratory Science course will suffice) 8
Science or Mathematics Elective (any Category IV elective) 3

V. Human Wellness (2 hours)
FN 167 1
PED 105 1

TOTAL: 70

*Students completing three hours of humanities electives in Category II should take fifteen hours of social and behavioral sciences (Category III); those completing six hours of humanities electives should take twelve hours of social and behavioral sciences.

SCHOOL OF COMMUNICATION

Gene Wiggins, Director
Hattiesburg, MS 39406-5158
(601) 266-5650

The School of Communication is a separately organized entity within the College of Liberal Arts and is comprised of five programs and departments: Advertising, Communication, Journalism, Radio, Television, and Film, and Speech Communication.

ADVERTISING PROGRAM

Tommy V. Smith, Director
Hattiesburg, MS 39406-5121
(601) 266-4258

The Department of Journalism offers a major in advertising in association with Radio, Television, and Film and the Department of Marketing.

The Advertising Program and the Department of Journalism are accredited by the Accrediting Council for Journalism and Mass Communication, the national accrediting agency for programs in Journalism and Mass Communication.

The program is designed to teach students the creative and business practices of advertising. Graduates are prepared for professional positions as advertising layout artists, copy writers, media planners, and account executives in the mass media, advertising agencies and advertising departments in business and industry.

Students in the program must complete thirty-three (33) semester hours, but not more than thirty-six (36) semester hours, in Journalism and Radio, Television and Film, including JOU 231, 330, 331, 333, 421, 431, 433; RTF 330, 425. An 18-21 hour minor is required. While the recommended minor is marketing, with the approval of their adviser, students may minor in another area. However, students in the Advertising Program may not minor in Journalism or Radio, Television and Film. Advertising majors may not receive credit for MKT 355 or 455. Courses for other minors are chosen in consultation with the adviser. A statistics course is required of all students in the program. Students must choose one course from CSS 211, BA 301, PSY 360, SOC 460.

Students majoring in advertising must understand that typing ability is essential. Those without typing skills should plan to take typing early in the program.

REQUIREMENTS FOR A MAJOR IN ADVERTISING

See College preface for general education requirements. With the approval of the adviser, JOU 231 and JOU 330 may be taken in the sophomore year.

JUNIOR YEAR	SEM. HRS.
CSS 211, BA 301, PSY 360, or SOC 460	3
JOU 231, 330, 331, 333	12
Minor Courses	9
RTF 330	3
	27

SENIOR YEAR	SEM. HRS.
Elective	1
Electives in Major	9
JOU 421, 431, 433	9
Minor Courses	9
RTF 425	3
	31
TOTAL:	128

Requirements for a Minor in Advertising

All students pursuing a minor in Advertising must complete a minimum of eighteen (18) hours of Journalism courses. The following nine (9) hours are required: JOU 231, 330, and 331. The remaining nine (9) hours are to be selected in consultation with an advertising adviser who can recommend courses in advertising and public relations.

COMMUNICATION PROGRAM

Keith V. Erickson, Director
Hattiesburg, MS 39406-5131
(601) 266-4271

The Communication Program offers an interdisciplinary major involving the Departments of Speech Communication, Journalism, and Radio, Television, and Film. It is designed to prepare students for careers as communication specialists within business and industrial organizations, government agencies, trade and professional associations, or public institutions. A broad background in liberal arts and social sciences is recommended, and students are advised to concentrate their electives in these areas. A minor is not required for the Communication major.

REQUIREMENTS FOR A MAJOR IN COMMUNICATION (P)

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
ENG 203	3
Foreign language	6*
HIS 101 and 102	6
Laboratory Science (recommended courses include AST 111/111L; 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
Science or mathematics elective (any Category IV elective)	3
Social and behavioral sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35

JUNIOR YEAR	SEM. HRS.
JOU 202 and 421	6
RTF 101 and 140 or 171	6
Radio, Television, and Film Electives (Select 6 hours from RTF 407, 448, 460, 480, 481)	6
SCM 305, 311	6
Speech Communication Elective (Select 3 hours from SCM 312, 350, 405, 430, 450, 490)	3
	27

SENIOR YEAR	SEM. HRS.
JOU 231 and 241/241L	7
Journalism Electives (Select 6 hours from JOU 203, 301, 311, 405, 425, 450, 452, 460)	6
General Elective	3
Radio, Television, and Film Electives (Select 6 hours from RTF 370 or 470, 473, 478, 479)	6
SCM 330	3
Speech Communication Elective (Select 3 hours from SCM 403, 410, 420, 425, 440)	3
Speech Communication Elective (Select 3 hours from SCM 303, 315, 415)	3
	31
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.
**Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.

DEPARTMENT OF JOURNALISM

Arthur J. Kaul, Chair
Hattiesburg, MS 39406-5121
(601) 266-4258

Andrews, Davies, Morton, T. Smith, E. Wheeler, Wiggins

The objective of the Department of Journalism is to teach students professional and theoretical concepts and to develop their technical skills to enable them to be productive and responsible contributors in the field of journalism. The program emphasizes the basics of reporting, writing, editing, and taking and developing pictures, but professional preparation also requires an understanding of the history and legal, ethical, and social responsibility of journalism. The department strives to achieve an integration of practice and theory in its courses.

The Department of Journalism and its emphasis areas of news/editorial, photojournalism, and public relations are accredited by the Accrediting Council for Journalism and Mass Communication, the national accrediting agency for programs in Journalism and Mass Communication.

The department offers a choice of four emphasis areas of study: News/Editorial, Photojournalism, Public Relations, and Journalism Education; and it administers an interdisciplinary Advertising degree program. These are designed to prepare students for a variety of career positions, including news reporting and editing, writing, photojournalism, advertising, public relations, and journalism education.

The faculty strongly believes students should have a broad cultural education in the humanities and social sciences to go with their professional preparation so they can serve society, as well as their own self-interests, productively and responsibly. Thus, students are limited to thirty-seven (37) semester hours in the Department of Journalism. From course work taken outside of the department, in consultation with their advisers, students must develop a minor area or a second major.

COMMON REQUIREMENTS FOR A MAJOR IN JOURNALISM

A student majoring in Journalism will work toward the Bachelor of Arts degree. Working closely with an adviser, the student will select course work to fit an appropriate educational goal and selected emphasis area of study. All students pursuing a major in Journalism must complete the following requirements, which include a minimum of thirty (30) semester hours, but not more than thirty-seven (37) semester hours in journalism and/or radio-television-film:

	SEM. HRS.
General Core for the College of Liberal Arts	70
Major Requirements	30-37
Minor Requirements	18
Electives (Non-journalism)	3-10
TOTAL:	128

Any student expecting to take courses in journalism should understand that a typing capability is essential. Those students with no typing skills should plan to take typing before taking any journalism courses.

All majors in the News/Editorial emphasis are expected to do practical work on *The Student Printz*. Others are invited to participate in the publication of the newspaper.

REQUIREMENTS FOR A MAJOR IN JOURNALISM

See College preface for general education requirements. With the approval of the adviser, JOU 202 and JOU 241/241L may be taken in the sophomore year.

Requirements for an Emphasis in Journalism Education With Secondary Certificate

The Journalism Education Program is designed to prepare students academically and professionally to teach journalism and supervise publications on the secondary level and to pursue graduate-level study. The journalism major working toward the Bachelor of Arts teaching degree must meet general and professional certification requirements, including a minor in secondary education. Prospective majors should contact an adviser in both Journalism and Secondary Education as soon as is practical after enrolling in this program.

Students in this program must complete thirty (30) semester hours, but not more than thirty-seven (37) hours in Journalism, including JOU 202, 203, 241/241L, 303, 311, 312, 402, 405, and 460. A typical program of study is outlined below.

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
CIS 465	3	CIS 494	12
JOU 202, 241/241L, 203, 303, 311, 312	19	JOU 402, 405, 460	9
Minor Courses	9	JOU 421, 450, or 452	3
	31	Minor Courses	9
			33

Requirements for an Emphasis in News/Editorial

The News/Editorial Program is designed to prepare students for positions in the news media as reporters, editors, and writers. Students in this emphasis must complete thirty (30) semester hours, but not more than thirty-seven (37) semester hours in Journalism, including JOU 202, 203, 241/241L, 303, 311, 312, 402, 450, and 460. From elective course work taken outside the Journalism Department, students are advised to develop an area of concentration that supports and enhances their educational and professional goals.

A typical program of study is outlined below:

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
JOU 202, 241/241L	7	Elective Course	3
JOU 203, 303, 311, 312	12	JOU 402, 450, 460	9
Major Elective	3	Major Elective	6
Minor Courses	6	Minor Courses	12
	28		30

Requirements for an Emphasis in Photojournalism

The Photojournalism emphasis is designed to teach students how to communicate visually, effectively and responsibly, and it prepares them for professional positions as photographers and photographic editors in the mass media.

Students in this emphasis must complete thirty (30) semester hours, but not more than thirty-seven (37) semester hours in Journalism, including JOU 202, 203 or 301, 241/241L, 242/242L, 342, 346/346L, 441/441L, and 443. From elective course work taken outside the

Journalism Department, students are advised to develop an area of concentration that supports and enhances their educational and professional goals.

A typical program of study is outlined below:

JUNIOR YEAR	SEM. HRS.
JOU 202, 241/241L	7
JOU 203 or 301	3
JOU 242/242L, 342	7
Major Electives	4
Minor Courses	6
	27

SENIOR YEAR	SEM. HRS.
Elective	3
JOU 346/346L, 441/441L, 443	11
Major Electives	5
Minor Courses	12
	31

Requirements for an Emphasis in Public Relations

This program of study is designed to prepare students for careers as public relations practitioners and consultants in business and industry, non-profit organizations, educational institutions, and governmental agencies.

Students in this program must complete thirty (30) semester hours, but not more than thirty-seven (37) semester hours of Journalism, including JOU 202, 203, 241/241L, 311, 312, 421, 422, 425, and 428. Because of the interdisciplinary nature of the field of public relations, students are advised to take courses in other areas of communication. A business background also is essential for the public relations practitioner. A minor in Marketing, Management, Finance, Economics or General Business is recommended.

A typical program of study is outlined below:

JUNIOR YEAR	SEM. HRS.
JOU 202, 241/241L, 203	10
JOU 311, 312, 421	9
Minor Courses	9
	28

SENIOR YEAR	SEM. HRS.
Elective	3
JOU 422, 425, 428	9
Major Electives	9
Minor Courses	9
	30

Requirements for a Minor in Journalism

All students pursuing a minor in Journalism must complete a minimum of eighteen (18) hours of Journalism courses. The following seven (7) hours are required: JOU 202, 241/241L. The remaining eleven (11) hours are to be selected from any courses with a JOU designation. These courses should be selected in consultation with an adviser affiliated with the particular area to be emphasized—News/Editorial, Photojournalism, or Public Relations.

DEPARTMENT OF RADIO, TELEVISION, AND FILM

David H. Goff, Chair

Hattiesburg, MS 39406-5141

(601) 266-4281

R.B. Cade, Gentile, Hall, Haque, Holgate, McDowell, Strout, Webster

The Department of Radio, Television, and Film offers preparation for professional employment in the diverse film and electronic media industries. The one constant that characterizes these fields is change. Therefore, the department strives to equip students with more than current career skills. The total program emphasizes the broader skills which prepare students for the continuing self-education required to meet the challenge of change in one's life and in one's career. In addition to the curriculum for RTF majors, the department provides instructional support to interdisciplinary programs in Advertising and Communication.

Students majoring in Radio, Television, and Film select one of four emphasis areas. Broadcast Journalism prepares students to enter the challenging and competitive field of radio and television news. The Broadcast Management and Sales emphasis is for those who wish to learn about the selling and administration of electronic media advertising. Traditionally career paths to top-level media management begin in advertising sales. The Film emphasis is designed to prepare students for positions with large and small motion picture production companies, film units within television operations, federal or state agency production units, or for

self-employment as an independent producer, director, or production specialist. The Radio-Television Production Emphasis is intended for those who wish to pursue careers in any aspect of radio or television production and direction. In addition to broadcast stations and cable television, a growing number of corporations, medical centers, and other institutions operate television production centers.

An Internship Program (RTF 303) is available for RTF majors who meet specific qualifications, and provides a unique opportunity for supervised experiential learning in a professional setting. To qualify for the program, an RTF major must have completed all but twelve hours of major course work with a B average in RTF courses and an overall GPA of 2.5. Eligible students must submit an internship application to the department chair prior to the midpoint of the semester preceding the requested internship. Students employed by a film or electronic media firm cannot receive academic credit for work they are already doing for pay.

GENERAL DEGREE REQUIREMENTS

The major in Radio, Television, and Film consists of 36 semester hours of course work. A grade of C or better must be earned in all sequential production courses and in the Broadcast Journalism sequence. For example, in the Television Production sequence (RTF 140, 340, 440, 447), a student must earn at least a C in RTF 140 before advancing to RTF 340, etc. The Film Production sequence is RTF 171, 371, 471, 375; the Broadcast Journalism sequence is JOU 202, RTF 302, 304, 305, 402.

All Radio, Television, and Film majors are required to complete the following:

	HOURS
General Education Requirement for the College of Liberal Arts	70
RTF Major (RTF 111, 140 plus Emphasis courses outlined below)	36
Minor (RTF majors may not select Advertising, Communication, or Journalism)	18

NOTE: All students must complete a minimum of 128 semester hours with at least 45 semester hours at the 300 or 400 level.

REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
(See College preface for detailed listing of courses and options)			
ENG 101, 102	6	ENG 203	3
Foreign Language	6	Fine Arts	3
HIS 101, 102	6	FN 167	1
Laboratory Science	8	Foreign Language	6
MAT 101 (or higher)	3	Humanities Elective	3-6
SCM 111, 305, 320, or 330	3	PED 105	1
RTF 111 or 140	3	PHI 151 or REL 131	3
		Science or Math Elective	3
		Social and Behavioral Sciences	3-6*
		RTF 111 or 140	3
	35		32

*Students in the Broadcast Journalism Emphasis should take JOU 202 in the sophomore year, shifting one Social Science course to the Junior Year.

Requirements for an Emphasis in Broadcast Journalism

Students emphasizing Broadcast Journalism must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above. Typing or keyboarding proficiency is a prerequisite skill. In addition, JOU 202 is a required course in this emphasis and must be taken before beginning the Broadcast Journalism sequence.

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Social Science	12	Electives	4
Minor Area	3	Minor Area	15
RTF 101, 302, 304, 360, 407	15	RTF 305, 402, and 6 hrs. selected from RTF 303 or 418, 448, 460, 480, 481, 492, 499, or an approved substitute	12
	30		31

Requirements for an Emphasis in Broadcast Management and Sales

Students emphasizing Broadcast Management and Sales must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above.

JUNIOR YEAR	SEM. HRS.
Social Science	9
Minor Area	6
RTF 101, 330, 360, 407, 442	15
	30

SENIOR YEAR	SEM. HRS.
Electives	4
Minor Area	12
RTF 416, 425, 431, and 6 hrs. selected from RTF 303, 448, 460, 480, 481, 492, 499, or an approved substitute	15
	31

Requirements for an Emphasis in Film

Students emphasizing Film must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above.

JUNIOR YEAR	SEM. HRS.
Social Science	9
Minor Area	6
RTF 171, 371, 472, 479, Film Elective	15
	30

SENIOR YEAR	SEM. HRS.
Electives	4
Minor Area	12
RTF 471, 375, Film Electives (Film Electives are RTF 303 or 418, 370 or 470, 373, 473, 474, 475, 476, 478, 492, or an approved substitute.)	15
	31

Requirements for an Emphasis in Radio-Television Production

Students emphasizing Radio-Television Production must complete the following requirements in addition to those listed under GENERAL DEGREE REQUIREMENTS above.

JUNIOR YEAR	SEM. HRS.
Social Science	9
Minor Area	6
RTF 101, 171, 340, 360, 442	15
	30

SENIOR YEAR	SEM. HRS.
Electives	4
Minor Area	12
RTF 440, 447, 460, and 6 hrs. selected from RTF 303 or 418, 407, 448, 479, 480, 481, 492, 499 or an approved substitute	15
	31

Requirements for a Minor in Radio, Television, and Film

The student minoring in Radio, Television, and Film must complete a minimum of eighteen (18) hours in RTF courses with at least nine (9) hours above the 300-level. The Department recommends structuring the selection of minor courses along the lines of one of the four emphasis areas offered to RTF majors. The chair and faculty will be pleased to advise minors and to recommend an appropriate selection of courses. Students seeking an RTF minor and their advisers are cautioned to pay close attention to RTF course prerequisites.

DEPARTMENT OF SPEECH COMMUNICATION

Keith V. Erickson, Chair
Hattiesburg, MS 39406-5131
(601) 266-4271

Conville, Gwin, L. Goff, Hosman, Meyer, Siltanen, Tardy

The discipline of Speech Communication traces its lineage to the study of rhetoric in ancient Greece and Rome. The centrality of Speech Communication to our lives was noted twenty-four hundred years ago by the Greek rhetorician Isocrates when he observed, "There is no institution devised by man which the power of speech has not helped us to establish." Moreover, modern theorists agree that the fundamental human relationships in our culture are conducted through speech communication.

Speech Communication has as its focus the normal processes of oral, face to face, human interaction. The faculty of Speech Communication are committed to the instruction of students to enhance their understanding of and skill in speech communication, and to the conduct of original research so that their own understanding of speech communication and that of their colleagues may be advanced.

Speech Communication majors planning to teach in high school should choose the Speech Communication major with secondary certification. These options are explained in detail below.

The course schedules presented below are intended to aid in planning programs of study here at the University. While students may not take the designated courses at the designated times, the course schedules do provide a clear picture of what is expected.

The Speech Communication major may be used to achieve three different goals: (1) it is an appropriate major for the student who wants a versatile, liberal arts education; (2) it is a good foundation for graduate or professional school; and (3) it is an effective preparation for careers in business, industry, and government.

Recent graduates have found rewarding employment in sales, personnel, public relations and management. Others have gone to law school, seminary, or graduate school in communication.

AN OUTLINE OF THE SPEECH COMMUNICATION MAJOR

Students are to complete a minimum of thirty-six (36) hours as specified below

I. Core (12 hours):

SCM 111	Oral Communication
SCM 305	Interpersonal Communication
SCM 311	Persuasion
SCM 330	Small Group Communication

II. Electives (24 hours):

SCM 210	Voice and Diction
SCM 303	Argumentation and Debate
SCM 312	Interviewing
SCM 315	Advanced Public Speaking
SCM 320	Business and Professional Speaking
SCM 350	Nonverbal Communication
SCM 403	Political Communication
SCM 405	Relational Communication
SCM 410	Organizational Communication I
SCM 412	Advanced Persuasion
SCM 415	Rhetorical Criticism
SCM 417	Practicum in Speech Communication
SCM 420	Organizational Communication II
SCM 425	Organizational Communication III
SCM 430	Communication and Small Group Decision-Making
SCM 435	Speech Communication in Legal Contexts
SCM 440	Health Communication
SCM 450	Seminar in Speech Communication (may be repeated)
SCM 460	Public Advocacy and Advanced Argumentation
SCM 475	Gender Issues in Speech Communication
SCM 490	Theories of Speech Communication
SCM 492	Special Problems

Students interested in an organizational communication (business and professional) orientation are advised to include SCM 312, 320, 350, 410, 420, 425, and 430 among their elective courses. Complementary minors, such as journalism, general business and management, are arranged in consultation with the major adviser.

REQUIREMENTS FOR A MAJOR IN SPEECH COMMUNICATION

FRESHMAN YEAR	SEM. HRS.
See College preface for general education requirements	35 hrs.

SOPHOMORE YEAR	SEM. HRS.
See College preface for general education requirements	35 hrs.

JUNIOR YEAR	SEM. HRS.
SCM 305, 311, 330	9
SCM electives	9
Minor electives	9
	27

SENIOR YEAR	SEM. HRS.
SCM electives	18
Minor electives	9
General electives	4
	31
TOTAL:	128

REQUIREMENTS FOR A SPEECH COMMUNICATION MAJOR WITH SECONDARY CERTIFICATION

The program outlined below certifies the graduate to teach Speech Communication in grades 7-12. It exceeds the requirements set down by the Mississippi State Department of Education. Note that the minor in Secondary Education also earns NCATE (National Council for Accreditation for Teacher Education) certification. Meeting NCATE requirements carries with it automatic certification in 30 states in addition to Mississippi. Note also that the total hours required by this program exceeds the University minimum of 128 hours. This must be the case in order to maintain a program of the highest quality in the teaching area plus NCATE certification.

BACHELOR OF ARTS DEGREE

FRESHMAN YEAR	SEM. HRS.
See College preface for general education requirements	35 hrs.

SOPHOMORE YEAR	SEM. HRS.
See College preface for general education requirements	35 hrs.

JUNIOR YEAR	SEM. HRS.
SCM 303, 305, 311, 330	12
PSY 374	3
REF 400, 469	6
SPE 400	3
THE 111, 120	6
PSY 110/110L	3
	33

SENIOR YEAR	SEM. HRS.
SCM 315 or 450, 411	6
CIS 474, 475, 476	5
RTF 407	3
Student Teaching	12
SCM 459/CIS 459	3
THE 200, 320	6
	35
TOTAL:	138

Requirements for a Minor in Speech Communication

All students pursuing a minor in Speech Communication must complete eighteen (18) hours of Speech Communication courses. The following courses are required: SCM 305, 311, 330. The following courses will not count toward the minor: SCM 411, 417, 459, 492.

SCHOOL OF LIBRARY SCIENCE

Joy M. Greiner, Director
Hattiesburg, MS 39406-5146
(601) 266-4233

Abdullahi, Boshears, W. Boyd, Laughlin-Porter, Rodriguez-Buckingham, Wittig

The purpose of the School of Library Science is to educate students for careers in librarianship and related fields. Covering all types of media formats, the curriculum prepares future librarians to organize, develop, access, and evaluate print and non-print resources in various types of libraries.

A student may receive a Bachelor of Arts degree in library science. A Bachelor of Arts degree may be used to satisfy the requirements for certification as a school library media specialist. The baccalaureate degree in library science with a teacher certification emphasis is approved by the National Council for Accreditation of Teacher Education. The graduate program in library science is the only master's program in Mississippi accredited by the American Library Association (see the **Graduate Bulletin**).

The School cooperates with the University Placement Service in assisting its graduates in finding positions. Students are encouraged to join and support the activities of the Library Science Student Association, the American Library Association and the Mississippi Library Association. Often these professional organizations provide job placement services.

Academic Standards for a Major in Library Science

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Library Science. All students majoring in library science must have their major program approved by the director of the School and have a completed program plan on file in the director's office.

During the first two years at the University, the library science major should acquire a broad general education in the liberal arts and sciences. Library science courses for the undergraduate major or minor are begun in the junior year and completed in the senior year. Library science majors are advised to concentrate elective hours in one subject field, professional area, or language in order to qualify for better library positions. The student's choice of a degree program should be determined by his or her career goals, certification requirements, and in consultation with a faculty adviser or the director of the School.

Students desiring to prepare for positions in public, college, and special library fields should follow the general Bachelor of Arts degree program described below; this requires twenty-five (25) credit hours. General library science majors must also complete the requirements for a minor or a dual major in another field, and sufficient elective hours from any departments of the University to complete the 128 semester hours required for a degree. Students should consult their adviser when planning their minor or dual major.

Students are advised that in order to qualify for many professional positions in the library field, especially those in public, college, and special library fields, a Master of Library Science (MLS) degree is required. This graduate degree can be earned in one additional year of study beyond the BA or BS. See the **Graduate Bulletin** for information on the graduate program in library science.

Certification as a School Library Media Specialist

Students desiring to become public elementary or secondary school librarian-media specialists should follow the applicable teacher certification degree program. Certification as a school library media specialist in the State of Mississippi requires a library science major of twenty-seven (27) hours plus thirty-two (32) hours of professional education core courses. Existing teacher education programs as presented in this **Bulletin** are subject to change contingent on formal University approval. Out-of-state students should consult with their respective state agencies regarding certification requirements. For more information about the Teacher Certification Program, contact the School of Library Science.

REQUIREMENTS FOR A MAJOR IN LIBRARY SCIENCE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L; 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.
**Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.

Non-Certification

JUNIOR YEAR	SEM. HRS.
LS 405, 411, 416	9
Major Elective	3
Minor Requirements	9
Science or Mathematics Elective	3
Electives	6
	30

SENIOR YEAR	SEM. HRS.
LS 401, 489	7
Major Elective	6
Minor Requirements	9
Electives	6
	28
TOTAL:	128

Certification

JUNIOR YEAR	SEM. HRS.
LS 405, 408, 416, 417	12
PSY 374	3
REF 400, 469	6
SPE 400	3
Major Elective	3
	27

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
LS 401, 411	6
LS 418	3
LS 425, 494	15
Major Elective	3
	32
TOTAL:	129

DEPARTMENT OF AEROSPACE STUDIES (AIR FORCE ROTC)

James E. Rusk, Chair
Hattiesburg, MS 39406-5145
(601) 266-4468
Hundscheid, Medders

The Air Force ROTC Program offers a course of study leading to a commission as a second lieutenant. The program is an accredited part of the curricula of the University. AFROTC courses also apply toward academic minor requirements.

AFROTC REQUIREMENTS

Students may enroll in AFROTC if they meet the following requirements:

General Military Course: Men and women who are full-time University students may enroll in the General Military Course (GMC). The GMC surveys the missions, activities and history of the United States Air Force. There is no obligation associated with enrollment in any GMC course. The Professor of Aerospace Studies may grant credit or partial credit for completion of the GMC for students who have served on active duty, for junior or senior level ROTC participation in a program of any service, and for Civil Air Patrol work.

Professional Officer Course: Enrollment in the Professional Officer Course (POC) is limited to those students who have applied and have been accepted for this course. Application is normally made while a member of the GMC or (for students not enrolled in the GMC) early during the academic year prior to the year of desired entry. Students with previous military service may apply for direct entry. Individuals entering the POC must have two academic years remaining in college as full-time students at the undergraduate and/or graduate level. Students who complete the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor, if one is required in their major. After completing their studies, all POC students are obligated to accept a commission and to enter the active duty Air Force.

DESCRIPTION OF BASIC PROGRAMS

Students who enter Air Force ROTC classes are considered to be in the Four- or Two-Year Program, depending on their academic progress upon entry. Enrollment in the General Military Course offers the student good exposure to the Air Force without obligation and also affords maximum opportunity for scholarships and entry into the Professional Officer Course. The POC is normally preceded by either a four- or six-week summer field training conducted at various Air Force bases. Financial entitlements while in the POC normally total about $2,500 for non-scholarship students.

AFROTC COLLEGE SCHOLARSHIP PROGRAM

An Aerospace Studies committee nominates qualified freshman, sophomore, and junior students to compete for three and one-half, three two and one-half, and two year scholarships. Scholarships can pay full tuition, as well as certain fees and expenses associated with required courses, including most textbooks. In addition, the recipient will receive a $100 (tax-free) monthly allowance during the school year. Scholarships are awarded on the specific needs of the Air Force. All academic majors are potential scholarship recipients with technical, scientific, nursing and premed or preosteopath leading in overall awards. However, many scholarships are awarded for non-technical and non-scientific majors. Interested students should contact the Department of Aerospace Studies.

Four-year scholarships are also available to high school students. High school students interested in making application should write: Air Force ROTC (RRUC), Maxwell AFB, Alabama 36112-6663 during their junior year or before November of their senior year.

SUPPLEMENTAL COURSE PROGRAM (SCP)

Satisfactory completion of courses in English composition and mathematical reasoning are required for scholarship and POC students. Completion of the University Core will normally fulfill SCP requirements.

FOREIGN LANGUAGE REQUIREMENT

Scholarship students must successfully complete at least one year of college instruction in a major Indo-European or Asian language prior to commissioning. This requirement can be met by either completing courses or demonstrating proficiency through CLEP testing or a combination of the two.

DEPARTMENT ACTIVITIES

Air Force ROTC students are eligible for membership in Arnold Air Society and to participate in departmental activities. Arnold Air Society is a national service organization and sponsor of Angel Flight, a national coed service organization. Other departmental activities include orientation flights, visits to Air Force bases, and intramural sports.

AMERICAN STUDIES PROGRAM

Edward M. Wheat, Director
Hattiesburg, MS 39406-0065
(601) 266-4310

The American Studies Program offers an interdisciplinary major or minor for students interested in a broad liberal arts education. Through courses from many fields, the student acquires an understanding of the development of the American heritage. By course selection and during the American Studies Seminar, students may pursue their special interests. The major requires thirty (30) semester hours.

Though no minor is required with the American Studies major, students are encouraged to have a second major or minor in complementary, career-oriented fields such as pre-law, pre-medicine, pre-dentistry, paralegal studies, journalism, public relations, library science, accounting, marketing, management, radio-television-film, military science, and education. The requirements listed below are in addition to the Liberal Arts core curriculum. Students in this program will be advised by the director of the American Studies Program.

OPTIONS FOR THE AMERICAN STUDIES MAJOR

Thirty (30) hours selected from groups below

Group I. One course from each field 9

ENG 370, 371, 372, 470, 471, 472, 477, 485, 489
HIS 340, 342, 344, 345, 440, 442, 443, 445, 446, 447, 448, 450, 451, 452, 453, 454, 456, 458, 475, 476
PS 301, 303, 330, 370, 375, 380, 401, 402, 404, 406, 408, 409, 425, 456, 458, 472, 473, 480, 481, 489

Group II. One course from three different fields 9

AMS 304, 404
ANT 315, 333
BSC 400, 401, 401L, 403, 404, 404L, 406
CJ 200, 325, 330, 352, 360, 463, 470, 480
ECO 310, 330, 424, 465, 480
ESC 301
GHY 370, 402, 435, 440,
JOU 342, 421, 450, 452, 460
MUS 432
PHI 440
PSY 450, 456
REC 200
RTF 370, 448, 460, 478
SOC 240, 310, 311, 314, 421, 424, 444, 471, 475

Group III. Select any combination of three courses from Groups I and II 9
AMS 403 (Senior year requirement) 3
Total 30

REQUIREMENTS FOR A MAJOR IN AMERICAN STUDIES

See College preface for general education requirements.

JUNIOR YEAR	SEM. HRS.
American Studies	15
General Electives	6
Minor Electives	9*
	30

SENIOR YEAR	SEM. HRS.
AMS 403	3
American Studies Electives	12
General Electives	4
Minor Electives	9*
	28
TOTAL:	128

*The number of minor elective hours may vary from 18-27. Because of the interdisciplinary nature of American Studies, no minor is required. However, a strong minor or double major is recommended.

Requirements for a Minor in American Studies

Students minoring in American Studies must complete eighteen (18) hours including one of the following courses: AMS 304, 403, or 404.

DEPARTMENT OF CRIMINAL JUSTICE

Tyler H. Fletcher, Chair
Hattiesburg, MS 39406-5127
(601) 266-4509

M. Cox, Devine, Kevlin, LeFlore, Panko, M.C. Smith, Sollie, W.B. Taylor

The Department of Criminal Justice offers an interdisciplinary major leading to a Bachelor of Arts degree, and a minor. Major fields of emphasis are offered in corrections, juvenile justice, and in law enforcement.

Requirements for the major area are minimum of thirty-nine (39) hours of course work in Criminal Justice, not including the optional field practicum (CJ 400), a minor, or two interdisciplinary blocks consisting of 9 hours each not including the core, flexibly structured to strengthen the student's understanding and interest in humanities, the behavioral sciences or professional areas such as accounting, computer science and management.

REQUIREMENTS FOR A MAJOR IN CRIMINAL JUSTICE

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102, 203	9
Foreign Language: (Spanish recommended)	6
HIS 101, 102	6
Laboratory Science: BSC 103, 103L; CHE 104, 104L are recommended	8
MAT 101 or higher	3
PED 105; FN 167	2
SCM 111, 305, 320, or 330	3
	37

SOPHOMORE YEAR	SEM. HRS.
CJ 200, 341, 352, or 360	6
Fine Arts: AA 100, ART 130, DAN 107 MUS 365 or THE 100	3
Social Science: ANT 101, or 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, or 425; PSY 110/110L; SOC 101, 240, or 314 (No more than ONE course from each discipline)	12
Foreign Language	6
Humanities Electives: ENG 200, 201, 202, 205, 350, 351, 370, 371; FL 305; HUM 233, 253, 310, 320, 340, 370; HIS 140, 141; AMS 304 or 404 (Choose any of the following with no more than one from each discipline)	6
PHI 151 or REL 131	3
	36

Corrections Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 331, 360, 400*, 463	15
CPY 210, 312, 423, 436	12
ENG 332 or 333	3
	30

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 342, 353, 420, 430, 433, 451	18
Counseling Psychology Electives	6
	27
TOTAL:	130

Juvenile Justice Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 331, 360, 400*, 460	15
CPY 210, 312, 423, 436	12
	27

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 342, 353, 420, 430, 433, 461	18
Counseling Psychology Electives	6
ENG 332 or 333	3
	30
TOTAL:	130

Law Enforcement Emphasis

JUNIOR YEAR	SEM. HRS.
CJ 325, 330, 342, 360, 400*, 433	15
FSC 340, 340L; 341, 341L; 442, 442L; or 491, 491L	11-12
ENG 332 or 333	3
	29-30

SENIOR YEAR	SEM. HRS.
Applied Science: FSC 440	3
CJ 332, 370, 420, 430, 463, 470	18
PS 380, 480, 481 or selected interdisciplinary block, or continuation of forensic science for minor	9
	30
TOTAL:	129-130

*Optional addition to curriculum

Requirements for a Minor in Criminal Justice

All students pursuing a minor in Criminal Justice must complete a minimum of eighteen (18) hours of courses in Criminal Justice including CJ 200 but not including the field practicum.

PROGRAM IN ECONOMICS

Ronald J. Swager, Director
Hattiesburg, MS 39406-5051
(601) 266-4729

The College of Liberal Arts, in cooperation with the College of Business Administration, offers the Bachelor of Arts degree in Economics. Students pursuing the degree will take a minimum of thirty (30) hours in Economics which must include ECO 201, 202, 310, 330, 335, or 340, 345, 435; and BA 301, 302. A minor of at least eighteen (18) hours in another discipline is required and will be selected by the student in consultation with his or her adviser. Recommended minors include mathematics and various social science and humanities disciplines in Liberal Arts. Students are encouraged to include in their programs PHI 356, PS 375 and 474, and GHY 350.

REQUIREMENTS FOR A BACHELOR OF ARTS DEGREE IN ECONOMICS

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L; 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
ECO 201, 202	6
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (MAT 102 or 312 is recommended, depending on placement)	3
Social and Behavioral Sciences: 9-12 hours chosen from at least 3 or the following disciplines: ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	6-9**
	35

JUNIOR YEAR	SEM. HRS.
BA 301, 302	6
ECO 330 and 335 or 340	6
Social and Behavioral Science Elective	3
Minor Electives	9
Electives****	6
	30

SENIOR YEAR	SEM. HRS.
ECO 310, 345, 435, and Elective***	12
Minor Electives	9
Electives****	7
	28
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.
**Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.
***ECO elective should be chosen from 335 or 340, 401, 413, 436, 440, 450, 470 or 480.
****Recommended electives include: PHI 356; PS 375, 474; and GHY 350.

Requirements for a Minor in Economics

Non-business students minoring in Economics must complete twenty-one (21) hours as follows: ACC 200; ECO 201, 202; and twelve (12) hours from BA 200 (strongly recommended); BA 301, 302; ECO 310, 330, 335, 340, 345, 346, 401, 413, 435, 440, 450, 465, 470, 480.

DEPARTMENT OF ENGLISH

David M. Wheeler, Chair
Hattiesburg, MS 39406-5037
(601) 266-4319

W.H. Anderson, Bailey, A. Ball, F. Barthelme, S. Barthelme, D. Berry, L. Daniel, Ezell, Gambera, J. Harris, Hauer, K. Herzinger, J. Jones, Kolin, J. Lewis, McCraw, N. Polk, Richardson, M.A. Ryan, Salda, Schipke, Sciolino, Shattuck, Sims, R. Stamper, G. Stringer, Villeponteaux, A. Wallace, K. Watson, W. Watson, E. Westbrook

ENGLISH PROGRAMS

The English major earns a Bachelor of Arts degree with or without teaching certification. In addition to traditional programs in literature, the English Department sponsors a specialized program in Creative Writing. For assistance in selecting the appropriate program, students should consult an adviser in the English Department. Students working toward any degree must include in their programs the required core subjects. Information on the master's, the specialist, and Doctor of Philosophy programs can be found in the **Graduate Bulletin.**

The undergraduate major in English consists of a total of thirty-six (36) hours beyond the freshman level (39 hrs. for those desiring teaching certification). At least twenty-one (21) hours must be earned at the junior and senior level; however, it is strongly recommended that majors take twenty-four (24) hours at that level. Majors desiring state certification in English should contact the English Department to learn the current requirements.

Students should take some sophomore level work before enrolling in junior level courses and some junior work before enrolling in senior courses. Students must include among their advanced courses at least one in each of the following categories: (1) English or World Literature before 1700; (2) English or World Literature after 1700; (3) American Literature. Analysis of Literature (ENG 340) is required of all English majors. For teacher certification, students must take a course in American Literature; two in English Literature; Shakespeare; Advanced Grammar (ENG 401); Reading/Writing Theory (ENG 490); Adolescent Literature (ENG 418); History of the English Language (ENG 406); Survey of Contemporary Literature (ENG 311); and twelve (12) semester hours in one of the following related areas: reading, journalism, a foreign language, or communication.

REQUIREMENTS FOR A MAJOR IN ENGLISH

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Sciences (recommended courses include: AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level math	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from any of the following with no more than 3 hrs from any one discipline: AMS 304 or 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective: (any Category IV elective	3
Social and Behavioral Sciences: 12-15 hrs. chosen from 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15
	35

JUNIOR YEAR	SEM. HRS.
American Literature	3
English or World Literature before 1700	3
ENG 340	3
English Electives (3 hrs. may overlap with Humanities Elective)	9
Free Electives	12
	30

SENIOR YEAR	SEM. HRS.
English or World Literature after 1700	3
English Electives (9 hours required at 400 level)	12
Free Electives	13
	28
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.

REQUIREMENTS FOR A MAJOR IN ENGLISH WITH CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Sciences (recommended courses include: AST 111/111L, 112/112L: BSC 103/103L; CHE 104/104L; and GLY 101/101L; but any Category IV Lab. Science course will suffice). Note that certification requires one lab science in biological science and one in physical science (AST, CHE, or GLY)	8
MAT 101 or higher level math	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 6 hrs. chosen from any of the following, with no more than 3 hrs from any one discipline: AMS 304 or 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	6
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
PSY 110/110L	3
Social and Behavioral Sciences: 9 hrs. chosen from 3 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, or 314	9
	35

JUNIOR YEAR	SEM. HRS.
American Literature	3
CIS 313	3
English or World Literature before 1700	3
ENG 340, 311, and 454 or 455	9
ENG 490	3
English Elective (may overlap with Humanities Elective)	3
PSY 374	3
REF 400, 469	6
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
CIS 484 (Student Teaching)	12
English or World Literature after 1700	3
ENG 401 and 406	6
ENG 418	3
ENG 491 (English Methods)	3
	32
TOTAL:	138**

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement. Twelve hours in a foreign language will satisfy teacher certification requirements for twelve hours in a related area. Other related areas are Speech Communication, Journalism, and Reading.

**Total hours will depend upon foreign language proficiency and related area selected.

Requirements for a Minor in English

An undergraduate minor in English requires a total of eighteen (18) hours beyond Freshman English, including at least nine (9) hours at the junior or senior level. If teacher certification is desired, the student should contact the English Department to learn the current requirements.

CENTER FOR WRITERS

Hattiesburg, MS 39406-5144

(601) 266-4321

The Center for Writers, functioning under the aegis of the Department of English, offers interested undergraduates the opportunity to specialize in poetry or fiction writing within the context of the basic English BA degree.

A cohesive sequence of workshop courses of increasing difficulty encourages the gifted student writer to locate and focus his or her talent and to observe and participate in the process of creative writing.

A companion group of theory and literature courses places emphasis on contemporary and current writings, literary theory, and criticism in English and in translation.

The Center sponsors two publications: **Mississippi Review,** a national journal of fiction, poetry, and criticism; and **Product,** a student publication geared to publish and circulate within the University community the very best student writing.

THE UNIVERSITY WRITING CENTER

Hattiesburg, MS 39406-5037

(601) 266-4821

The University Writing Center offers individualized writing assistance to students, faculty, and staff. Tutors work one-on-one with writers interested in improving their writing in an environment allowing for writing development at the writer's own pace. Writers at all levels of writing proficiency use the services of the University Writing Center.

The University Writing Center offers support in all areas of writing. The Writing Center is equipped with IBM-compatible word processing equipment and software, high-tech printers, and a local-area network (ENFI: Electronic Networks for Instruction).

Many people using the University Writing Center have been referred by their instructors; others come on their own for writing assistance ranging from organization and development to preparing final copy. University Writing Center services are available to students, faculty, and staff on a drop-in or appointment basis.

DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

Sam L. Slick, Chair

Hattiesburg, MS 39406-5038

(601) 266-4964

E. Anglin, K. Austin, M. Clark, Cole, Fontecchio, Leach,

Odom, W. Powell, Sanchez-Alonso

The Department of Foreign Languages and Literatures offers a flexible program leading to the Bachelor of Arts degree either with or without teaching certification. It also offers an academic minor. The program aims to provide the students with sufficient language skills and cultural insights to give them sound foundations for a wide range of careers. It is designed to meet the following objectives:

(1) prepare students (in combination with other disciplines) for industrial, commercial, and government employment in which knowledge of a foreign language and culture is a distinct advantage;
(2) prepare students to teach foreign languages in secondary schools;
(3) prepare students for graduate study in foreign languages and literatures and related fields;
(4) provide supportive courses for other programs in the University.

The department offers curricula from the beginning through the advanced levels in French,

German, and Spanish. The department also regularly offers Latin, Russian, Italian, and Japanese through at least the intermediate levels. Other languages such as Arabic and Chinese are offered on occasion.

Students have access to the Foreign Language Laboratory in the Teaching Learning Resource Center and may be required to attend laboratory sessions in addition to regular classroom meetings. Students also have access to live television transmissions from Mexico City and Quebec by means of the department's television satellite reception.

In cooperation with other departments at this University, the Department of Foreign Languages and Literatures has established a number of formal and informal programs for students who wish to prepare for careers in which a knowledge of a foreign language and culture is either essential or desirable. For assistance in devising a suitable curriculum, students should consult as soon as possible with the foreign language adviser.

Summer Study Abroad

Under the auspices of USM's Center for International Education, the department offers active and very popular summer programs in Montpellier, France, and in Cuernavaca, Mexico.

REQUIREMENTS FOR A MAJOR IN FOREIGN LANGUAGES

The Department of Foreign Languages offers a choice of three concentrations: a) Spanish-only emphasis, b) French-only emphasis, or c) Two-language emphasis. Each concentration requires a minimum of thirty (30) semester hours (above 100-level) in foreign languages and literatures. At least eighteen (18) hours must be earned in upper-level foreign language courses.

Typical programs of study are outlined below.

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6-12
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6-12
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6*
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV Elective)	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15*
	35

JUNIOR YEAR	SEM. HRS.
Advanced Foreign Language Courses	9-15
Electives	14-20
	29

SENIOR YEAR	SEM. HRS.
Advanced Foreign Language Courses	9-15
Electives	14-20
	29
TOTAL:	128

Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.

SPECIFIC COURSE REQUIREMENTS FOR A SPANISH-ONLY EMPHASIS

I. A minimum of six (6) hours in literature and culture courses to be chosen from:
- SPA 341 Introduction to Spanish Literature
- SPA 435 Spanish Culture and Civilization
- SPA 436 Latin American Culture and Civilization
- SPA 442 Survey of Peninsular Literature I
- SPA 443 Survey of Peninsular Literature II
- SPA 446 Don Quijote
- SPA 452 Survey of Latin American Literature
- SPA 454 Contemporary Latin American Literature

II. A minimum of six (6) hours in Spanish language-focussed courses to be chosen from:
- SPA 305 Spanish Reading and Composition
- SPA 313 Grammar Review
- SPA 321 Advanced Conversation
- SPA 405 Advanced Conversation and Phonetics
- SPA 406 Advanced Composition and Grammar
- SPA 491 Advanced Studies in Spanish Language

III. The remaining courses for the major may be selected from:

A. Any of the above

B. A maximum of six (6) hours from:
- SPA 201 Intermediate Spanish I
- SPA 202 Intermediate Spanish II
- SPA 231 Intermediate Reading and Civilization I
- SPA 232 Intermediate Reading and Civilization II
- SPA 281 Intermediate Credit for Study Abroad

C. A maximum of six (6) hours from:
- SPA 211 Introduction to Spanish Grammar I
- SPA 212 Introduction to Spanish Grammar II
- SPA 361 Commercial Spanish I
- SPA 362 Commercial Spanish II
- SPA 381 Study Abroad
- SPA 481 Study Abroad

D. A maximum of six (6) hours from:
- FL 492 Special Problems. (subject to approval by adviser and chair)

E. FL 461 Methods of Teaching Foreign Languages

SPECIFIC COURSE REQUIREMENTS FOR A FRENCH-ONLY EMPHASIS

Courses for the emphasis may be selected from:
- FRE 201 Intermediate French I
- FRE 202 Intermediate French II
- FRE 305 French Grammar Review
- FRE 341 Introduction to Literature
- FRE 405 French Phonology
- FRE 406 Advanced Composition
- FRE 431 French Film
- FRE 435 Modern France
- FRE 442 Survey of French Literature I
- FRE 443 Survey of French Literature II
- FRE 445 Twentieth Century French Drama
- FRE 446 French Novel and Short Story
- FL 461 Methods of Teaching Foreign Languages
- FL 462 Special Problems (A maximum of six hours, subject to approval by adviser and chair)

Additional courses which may be applied to the major include

a maximum of three (3) hours from:
- FRE 200-L Conversation Laboratory
- FRE 300-L Conversation Laboratory
- FRE 400-L Conversation Laboratory

a maximum of six (6) hours from:
- FRE 281 Intermediate Credit for Study Abroad
- FRE 381 Study Abroad
- FRE 481 Study Abroad

Students should complete a 300-level course before enrolling in a 400-level course. Any exceptions must be approved by the departmental adviser.

SPECIFIC COURSE REQUIREMENTS FOR A TWO-LANGUAGE EMPHASIS

The two-language emphasis requires the completion of thirty (30) hours at the 200-level or above, in two languages, with eighteen (18) hours in 300 and 400-level language courses. Of these eighteen (18) hours, at least twelve (12) hours must be in a single language. In the second language, a minimum 202-level competency must be demonstrated.

REQUIREMENTS FOR A MAJOR IN FOREIGN LANGUAGES WITH TEACHING CERTIFICATION

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
Advanced Foreign Language Courses	9-15	Advanced Foreign Language Courses	9-12
PSY 374	3	CIS 474, 475, 476	5
REF 400, 469	6	FL 461	3
SPE 400	3	Student Teaching	12
Free Electives	8		
	29		29
		TOTAL:	128

Requirements for Minor in Foreign Languages

An undergraduate minor in Foreign Languages requires a total of eighteen (18) hours in one of the following languages: French, German, Spanish, Latin, or Russian.

PROGRAM IN HUMANITIES

M. Gilbert Dunn, Coordinator
Hattiesburg, MS 39406-10046
(601) 266-5339

The Program in Humanities helps students learn to write and think by concentrating on important texts for reading, study, and discussion. Students may attain an academic minor in Humanities. Students who also susccessfully complete three hours of Humanities Proseminar (HUM 495) will receive a Certificate in Humanities testifying to their accomplishment.

All Humanities courses and Humanities electives emphasize learning substantial content, learning to write better, and learning to think more critically.

Requirements for Minor in Humanities

The minor in Humanities requires eighteen (18) hours—nine (9) hours from the Humanities (HUM) courses and (9) hours from the following list of Humanities electives, with no more than two courses (6 hours) from any one discipline: ANT 335, 411, 422; ENG 319, 451, 454, 455, 459: HIS 319, 407, 413, 424; PHI 310, 312, 353, 406; PS 420, 421; SOC 315, 482.

DEPARTMENT OF GEOGRAPHY AND AREA DEVELOPMENT

Jesse O. McKee, Chair
Hattiesburg, MS 39406-5051
(601) 266-4729

Cross, Elbert, Hudson, Larkin, Miller, Swager, Wales, D. Williams

Career opportunities in city and community planning, human resources analysis, climatology, water resource management, cartography, computer mapping, geographic information systems, remote sensing, and teaching are available though several professional degree programs. An Emphasis Area in Geographic Information Technology is also available, and requirements are listed in this section of the **Bulletin**. The department's undergraduate programs also provide preparatory work for professional positions in economic and industrial development where a master's degree may be required. Consult the **Graduate Bulletin** for information on graduate programs in both economic development and geography.

Undergraduate courses in Geography may be categorized as: **regional** (400 through 408 sequence), **techniques** (210, 310, 311, and 410 through 417), and **topical** (remaining courses numbered above 300). Planning courses are prefixed with a **PLG** and described under the heading **Planning** in the Course Description section of this **Bulletin**.

Students entering the Department of Geography and Area Development will major in one of two degree-granting programs offered through the department. These include:

1. Bachelor of Arts in Geography
2. Bachelor of Arts in Community and Regional Planning

REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

A student majoring in Geography will work toward the Bachelor of Arts degree. The student, working closely with an adviser, will tailor the course work to fit his or her career goal. All students pursuing a major in Geography must complete the following requirements, which include a minimum of thirty-six (36) hours in the department and a minor:

	Hours
General Core for the College of Liberal Arts (including GHY 101 or 102)	70
Professional Requirements	
GHY 331 and 350 or 362	6
GHY 323 and 324 or 325/325L	6-7
GHY 210 or 310/310L, and one 300/400-level GHY techniques course	6-8
Electives in GHY (may include 101 or 102)	18-20
Minor Requirements	18
Electives	4
TOTAL:	128

TEACHER CERTIFICATION

Students seeking teacher certification in Geography should do so through the program in Social Studies, described elsewhere in this **Bulletin.** Such students may wish to pursue a double major in Social Studies and Geography.

REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
ENG 203	3
Foreign Language	6*
HIS 101 and 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35

JUNIOR YEAR	SEM. HRS.
GHY 210 or 310/310L	3-4
GHY 331, 350 or 362; 323 and 324 or 325/325L	12-13
Three courses from minor field	9
Geography Electives	6
	30-32

SENIOR YEAR	SEM. HRS.
Geography Electives	9
One 300/400-level techniques course in Geography	4
Three courses from a minor field	9
Electives	6
	28
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.
**Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.

Requirements for an Emphasis in Geographic Information Technology

This is an emphasis area within the BA degree program. Majors emphasizing cartography, remotely sensed image interpretation, and Geographic Information Systems (GIS) will meet Federal Civil Service Commission qualification standards under the job title Cartographer. These same standards also qualify graduates for entry into the job market for private aerial surveyors, public agencies, and resource development corporations.

	Hours
General Core for the College of Liberal Arts	70
Geography Core	
GHY 210, 323, 324 or 325/325L, 331, 350 or 362	15-16
Emphasis Area Requirements	
GHY 310/310L, 311/311L, 410/410L, 412/412L, 416/416L, 417/417L, 418/418L, 415 or BA 301; CSS 240 or 330	30
Minor or Related Electives	13-18
TOTAL:	128

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
ENG 203	3
Foreign Language	6*
HIS 101 and 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (MAT 103, 136, or 167 is recommended)	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35

JUNIOR YEAR	SEM. HRS.
CSS 240 or 330	3
GHY 210	3
GHY 310/310L, 311/311L, 416/416L and 415 or BA 301	13
GHY 324 or 325/325L, 331	6-7
Minor or Related Electives	6
	31-32

SENIOR YEAR	SEM. HRS.
GHY 323, 350	6
GHY 410/410L, 412/412L	7
GHY 417/417L, 418/418L	7
Minor or Related Electives	7-12
	27-32
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.
**Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.

Requirements for a Minor in Geography

Students minoring in Geography must complete eighteen (18) hours including GHY 101 or 102. Six (6) hours should be taken from two of the following three groups of courses: **regional** (400 through 409), **techniques** (210 or 310/310L, 311/311L, plus 410 through 417), or **topical** (remaining courses numbered 300 and above). The remaining nine (9) hours can be chosen from courses numbered 300 and above.

THE COMMUNITY AND REGIONAL PLANNING PROGRAM

G. Richard Larkin, Director
Hattiesburg, MS 39406-5051
(601) 266-4729

The general objectives of the Community and Regional Planning program are to provide:
(1) A sound liberal arts education;
(2) A basic core of practical training and course work in community planning;
(3) A generalized interdisciplinary core of related training, primarily in behavioral and scientific knowledge, and in technical skills;
(4) Preparation for advanced studies in a variety of graduate and professional schools;
(5) A general but systematic background for students who intend to assume positions in planning and related professions without further formal study.

The program undergoes periodic review and revision. In this manner, the Community and Regional Planning program remains responsive to the relevant changes occurring in the field, and is able to offer the best possible education and training to its students.

REQUIREMENTS FOR A MAJOR IN COMMUNITY AND REGIONAL PLANNING

A student majoring in Community and Regional Planning will work toward a Bachelor of Arts Degree. The student will work closely with an adviser to tailor a program to meet his or her career goals. All students pursuing a major in Community and Regional Planning must complete the following requirements:

	Hours
General Core for the College of Liberal Arts	70
Planning Core	
PLG 360; 450; PLG 461 or GHY 440; PLG 463, 464; 465; 466; 469; 491	27
GHY 210 or 310/310L; 311/311L; 325/325L; 331 or 341; 415	16
Electives (chosen with the consent of the student's academic adviser)	15
TOTAL:	128

REQUIREMENTS FOR A MAJOR IN COMMUNITY AND REGIONAL PLANNING

FRESHMAN YEAR	SEM. HRS.
ENG 101 and 102	6
ENG 203	3
Foreign Language	6*
HIS 101 and 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6*
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35

JUNIOR YEAR	SEM. HRS.
GHY 210 or 310/310L	3-4
GHY 325/325L	4
GHY 331 or 341	3
GHY 311/311L	3
PLG 360	3
PLG 463 and PLG 461 or GHY 440	6
Electives (chosen with consent of academic adviser)	9
	31

SENIOR YEAR	SEM. HRS.
GHY 415	3
PLG 450, 464, 465	9
PLG 466, 469, 491	9***
Electives (chosen with consent of academic adviser)	6
	27
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hrs. may suffice, depending upon placement.
**Students completing 3 hrs. of humanities electives in Category II should take 15 hrs. of social and behavioral sciences (Category III); those completing 6 hrs. of humanities electives should take 12 hrs. of social and behavioral sciences.
***Includes the internship which will generally be taken during the summer between the junior and senior years.

Requirements for a Minor in Community and Regional Planning

The student minoring in Community and Regional Planning must take eighteen (18) hours which must include PLG 360 and 465.

DEPARTMENT OF HISTORY

Orazio A. Ciccarelli, Chair
Hattiesburg, MS 39406-5047
(601) 266-4333

J. Anglin, K. Barnes, Barnett, Bolton, Bowers, Farrell, Feldman, Gonzales, Guice, Harper, McCarty, McMillen, Oppenheim, Sadkovich, Scarborough, R. Skates, Smith, Sun, M. Wheeler, Wiest

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Master of Arts, the Master of Science, and the Doctor of Philosophy. For the master's and doctoral degrees, please consult the **Graduate Bulletin.** The department also participates and advises in the Social Studies interdisciplinary degree program.

REQUIREMENTS FOR A MAJOR IN HISTORY

Students must have a minimum grade point average of 2.0 in order to transfer to History from another academic major or from Adult or General Studies. Undergraduate students majoring in History may certify to teach in the field of social studies at the secondary level by taking the necessary professional education courses. They should consult with their adviser to determine what professional education courses are required.

Students majoring in History must receive at least a grade of **C** in each history course. They must take thirty-six (36) hours which must include HIS 101, 102, 140, 141, and 345. Of the twenty-one (21) remaining hours required for the major, no more than twelve (12) hours of advanced course work can be selected from any one of the three following course areas: (1) United States History, (2) European History, (3) Other (Latin American, Far East, and other non-United States, non-European courses). Students who have satisfied the thirty-six (36) hour major requirement may take additional advanced courses in history in any area they prefer.

Degree With Honors

History majors with exceptional academic records may be awarded degrees with honors or highest honors. Graduation **cum laude** will be granted to students who meet the following stipulations: (a) the satisfactory completion of a comprehensive examination in history, (b) the satisfactory completion of a senior thesis, (c) notice of intent to meet these requirements at least one calendar year prior to graduation; and (d) an overall grade point average of 3.25 to 3.49. Graduation **magna cum laude** will be granted to students who meet the following stipulations; (a), (b), and (c) above, and (d) an overall grade point average of 3.50-3.79. Graduation **summa cum laude** requires (a), (b), (c) and, (d) an overall grade point average of 3.80 or above.

Requirements for a Minor in History

The student minoring in history must take twenty-one (21) hours in history which must include HIS 101, 102.

Requirements for a Minor in History and Music History

The History department also offers a minor combining history and music history. It is ideally suited for music and music education majors, and for anyone interested in exploring the relationship between history and the arts. For more information on this minor contact the chair of the History Department or the Director of the School of Music.

Students minoring in History and Music History must complete twenty-three (23) hours in the following courses: MUS 131, 231, 232; HIS 140 or 141, 401, 407, 413, 424.

Teacher Certification

History majors working toward a baccalaureate teaching degree with secondary certification in social studies must include in their program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses either as core or electives:

economics (6 hours), political science (6 hours), geography (6 hours), sociology/anthropology (3 hours), Mississippi history (3 hours); and (3) a special history curriculum, different from that of regular history majors intended to meet teachers' classroom needs..

COURSE REQUIREMENTS FOR A MAJOR IN HISTORY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
Humanities Elective(s): 3-6 hrs. chosen from more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
Social and Behavioral Science: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35

JUNIOR YEAR	SEM. HRS.
Free Elective	6
HIS 345	3
History Electives	9
Minor Electives (Minors vary from 18 to 27 hours)	12
	30

SENIOR YEAR	SEM. HRS.
Free Electives	7
History Electives	12
Minor Electives	9
	28
TOTAL:	128

COURSE REQUIREMENTS FOR A MAJOR WITH SECONDARY CERTIFICATION IN SOCIAL STUDIES

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language (all hours in a single language; fewer hours may suffice depending on placement)	6
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	4
MAT 101 or higher level	3
PED 105	1
	30-36

SOPHOMORE YEAR	SEM. HRS.
ECO 201, 202	6
ENG 203	3
GHY 101	3
HIS 140, 141	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	4
SCM 111	3
PSY 110/110L	3
Science or Mathematics Elective (any Category IV Electives)	3
Sociology/Anthropology Elective	3
	34

JUNIOR YEAR	SEM. HRS.
HIS 341, 345	6
HIS 301, 383	6
PHI 151 or REL 131	3
PS 101, 310	6
PSY 374	3
REF 400, 469	6
SPE 400	3
	33

SENIOR YEAR	SEM. HRS.
Area Methods (CIS 458 or HIS 488)	3
CIS 474, 475, 476	5
Geography Elective (331, 341, 350)	3
History Electives (US and European)	12
Student Teaching (HIS 490)	12
	35
TOTAL:	132-138

INTERNATIONAL STUDIES PROGRAM

James H. Wolfe, Director
Hattiesburg, MS 39406-8261
(601) 266-4314

The nation's education and business leaders have acknowledged the necessity for international education in order to compete successfully in the world marketplace. In response to this call, The University of Southern Mississippi has established an interdisciplinary program in International Studies. The direction of the program is to prepare tomorrow's professionals for the intricacies of international business and the complexities of international politics, history, and culture.

The International Studies Program—developed by the College of Liberal Arts in cooperation with the College of Business Administration—is an academic program leading to a bachelor's degree awarded through the College of Liberal Arts. Students may choose one of two areas of concentration: 1) International Affairs and area studies requiring thirty (30) hours of credit in International Affairs courses and eighteen (18) hours in one of three world regions (Asia, Europe, Latin America); 2) International Economic Relations requiring thirty (30) hours in International Economic Relations and eighteen (18) in one of the three world regions (see above). In either case students are required to include the following courses in their area studies program: HIS 446 (U.S. Foreign Relations), GHY 341 (World Political Geography), PS 331 (Introduction to International Politics), and a senior seminar.*

*GHY 341, PS 331, and ECO 201 may be used to satisfy a nine hour Social Science requirement in the College core.

Six semester hours in either emphasis area may be earned through approved Study Abroad programs.

Students wishing to minor in International Studies are required to earn eighteen (18) hours in one of the areas of concentration including the four courses listed above.

List of approved courses for the concentration in International Affairs:

GHY	350	Introduction to Economic Geography
GHY	440	Population and Human Resources
HIS	319	History of Science and Technology in the Modern Period
HIS	454	20th Century America
HIS	458	Our Times
PS	320	Introduction to Political Theory
PS	330	U.S. Foreign Policy
PS	351	Introduction to Comparative Government
PS	421	Political Theory Locke to the Present
PS	432	Foreign Policy of the Major Powers
PS	435	Comparative Foreign Policy
PS	485	International Law

List of approved courses for the concentration in International Economic Relations:

ACC	200	Principles of Accounting I
ACC	300	Principles of Accounting II
BA	301	Elementary Statistics
EC0	201	Principles of Economics I
ECO	202	Principles of Economics II
ECO	413	The Economy of Latin America
or		
ECO	440	Economic Development
ECO	435	International Trade Theory
ECO	436	International Monetary Theory

ECO	470	Comparative Economic Systems
FIN	300	Business Finance

List of approved courses in area studies:

Asia

ANT	314	Peoples and Cultures of Asia
ANT	318	Peoples and Cultures of the Pacific
GHY	407	Geography of East and South Asia
GHY	408	Geography of Southwest Asia
HIS	301	Modern China and Japan
HIS	303	Studies in Non-Western History
HIS	409	Themes in the Non-Western World
PHI	352	Oriental Philosophy
		Special Problems-up to 9 hours

Europe

ANT	312	Peoples and Cultures of Europe
GHY	404	Geography of Europe
GHY	405	Geography of the Soviet Union
HIS	411	History of the USSR
HIS	418	Europe 1914-1945
HIS	424	Intellectual and Cultural History of Modern Europe
HIS	425	Nineteenth and Twentieth Century Britain
PS	431	International Law and Organization
PS	450	Comparative Studies in European Politics
PS	451	Soviet Government and Politics
PS	452	The Political Systems of Great Britain and the Commonwealth
		Special Problems-up to 9 hours

Latin America

ANT	315	American Indians
ECO	413	The Economy of Latin America
FL	477	Contemporary Latin American literature
GHY	402	Geography of Middle America and the Caribbean
GHY	403	Geography of South America
HIS	383	Survey of Latin American History: From Columbus to Castro
HIS	480	History of Mexico and the Caribbean
HIS	483	Studies in South American History
PS	456	Latin American Governments and Politics
PS	458	Latin American Political and Economic Development
		Special Problems-up to 9 hours

REQUIREMENTS FOR A MAJOR IN INTERNATIONAL STUDIES WITH THE CONCENTRATION IN INTERNATIONAL ECONOMIC RELATIONS

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
ECO 201, 202	6
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
GHY 341	3
Humanities Elective(s): 3-6 hrs. chosen from more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
MAT 112	3
PED 105	1
PHI 151 or REL 131	3
PS 331	3
Social and Behavioral Science: 0-3 hours chosen from at least 4 of the following disciplines: ANT 101, 221; PSY 110/110L; SOC 101, 240, 314	0-3**
	35

JUNIOR YEAR	SEM. HRS.
ACC 200, 300	6
Area Studies	9
BA 301	3
ECO 413 or 440	3
FIN 300	3
HIS 446	3
	27

SENIOR YEAR	SEM. HRS.
Area Studies	9
ECO 435, 436, 470	9
Electives	10
PS 491	3
	31
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hours may suffice, depending upon placement.
**Students may take either 6 hours of humanities or a combination of 6 hours of humanities and social/behavioral sciences.

REQUIREMENTS FOR A MAJOR IN INTERNATIONAL STUDIES WITH THE CONCENTRATION IN INTERNATIONAL AFFAIRS

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
ANT 101	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
GHY 341	3
HIS 141	3
Humanities Elective(s): 3-6 hrs. chosen from more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
PED 105	1
PHI 151 or REL 131	3
PS 331	3
Science or Mathematics Elective (any Category IV elective)	3
Social and Behavioral Science: 0-3 hours chosen from remaining disciplines	0-3**
	35

JUNIOR YEAR	SEM. HRS.
Area Studies	9
HIS 446	3
International Affairs	15
	27

SENIOR YEAR	SEM. HRS.
Area Studies	9
Electives	4
International Affairs	15
PS 491	3
	31
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hours may suffice, depending upon placement.
**Students may take either 6 hours of humanities or a combination of 6 hours of humanities and social/behavioral sciences.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

David G. Senne, Chair
Hattiesburg, MS 39406-5042
(601) 266-4456

Arno, Ensley, Heanue, Lasneske, Morgan, Ratcliff, Terrill, Williams

MISSION

The mission of the Army ROTC Program is to provide instruction to college students preparing them for future leadership positions, both civilian and military, and to commission Second Lieutenants for the United States Army, Army National Guard, and Army Reserve.

PROGRAM OF INSTRUCTION

The ROTC program of instruction is divided into two courses, the Basic Course and the Advanced Course. The full program encompasses four years.

The Basic Course consists of two years of instruction and is one method of entry into the Advanced Course. The Basic Course is introductory in nature and no military obligation is incurred.

The Advanced Course is designed to prepare selected cadets for commissioning in the United States Army. All academic majors are accepted, and the University has waived the requirement for a minor for those students completing the ROTC program. Successful completion of a six-week advanced summer camp and recommendation by the Professor of Military Science are required for commissioning. The Advanced Course student is paid a $100.00 per month tax free subsistence allowance during both academic years of the Advanced Course. Regular Army and Reserve Commissions are earned. A recipient of a Reserve Commission may opt for a short period of active duty and then join a Reserve or National Guard unit.

Basic Course students participate in a leadership practicum. This includes practical training exercises on the USM campus and the Camp Shelby training site.

Advanced Course students will be required to attend a weekly leadership laboratory and participate each semester in practical training exercises.

All Advanced Course cadets are required to complete five Professional Military Education Courses before graduation. There will be one course completed from each of the following areas (Written Communication, Math Reasoning, Computer Literacy, Human Behavior, and Military History). Cadets must coordinate with their MS III or IV Instructor/Advisers prior to scheduling these Professional Military Education Courses.

TWO-YEAR PROGRAM

A two-year program leading to a commission is available to the following categories of students:

(1) A veteran whose military record is evaluated by the Professor of Military Science and determined to have the necessary background for acceptance into the Advanced Course.

(2) Students who did not take the Basic Course during the freshman and sophomore years. These students must successfully complete a six-week Basic Summer Camp prior to applying for the Advanced Course.

EXTRACURRICULAR AND ENRICHMENT ACTIVITIES

ROTC cadets have the opportunity to participate in several professional organizations within the Corps of Cadets. These include the Scabbard and Blade (honorary military society), the Southern Generals (Color Guard and Drill Team), the Ranger Company, and Ranger Challenge Team.

ROTC SCHOLARSHIP PROGRAM

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men and women in the ROTC program who are interested in commissioned service in the Army. There are three types of scholarships: Four-Year, Three-Year, and Two-Year. Each scholarship provides tuition, textbooks, and laboratory fees in addition to

paying a $100.00 subsistence allowance per month for the period that the scholarship is in effect.

Four-Year scholarships are available to high school seniors. Four-Year scholarship applications must be mailed prior to December 1 in the students' senior year of high school. Information and application packets for the Four-Year scholarship may be obtained from the high school counselor or by writing to:

USM Military Science Department
Scholarship Officer
Southern Station, Box 5042
Hattiesburg, MS 39406-5042

Students desiring to apply for the Two-Year or Three-Year scholarships should contact the Military Science Department Chair at the University. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for final selection. All ROTC scholarship cadets are required to complete at least three (3) semester hours of foreign language before commissioning.

PARALEGAL STUDIES PROGRAM

Ronald G. Marquardt, Director
Gail L. Davis, Assistant Director
Hattiesburg, MS 39406-5108
(601) 266-4310

The Paralegal field is a profession designed to aid attorneys to deliver legal services more efficiently. Legal assistants are currently being hired for positions in business, private law firms, and government.

Any student transferring to Paralegal Studies must have attained a GPA of 2.25. Also all students majoring in Paralegal Studies must maintain a GPA of 2.5 after 30 hours of coursework.

REQUIREMENTS FOR A MAJOR IN PARALEGAL STUDIES

The Paralegal Studies major is interdisciplinary in nature. The curriculum may be outlined as follows.

1. General Education Curriculum (70 hrs.): see College preface for these requirements.
2. The following PLS courses are required: PLS 381, 382, 383, 384, 386.
3. ENG 332 or 333; CJ 330.
4. Select five of the following electives: ACC 200; BA 200; REI 340; CJ 430, 463; CSS 100; PS 380, 480, 481, 484, 489; PLS 389.
5. 18 hrs. in a minor field.

128 hrs. are required for graduation. Students must take at least 21 hours in courses numbered 300 and above in the major.

The elective course PLS 389 (Internship in Paralegal Studies) is usually taken the summer between the student's junior and senior year.

Requirements for a Minor in Paralegal Studies

Students minoring in Paralegal Studies must complete PLS 381, 382, 383 and fifteen (15) hours selected from the following courses: BA 200; CJ 330, 430, 463; PLS 384, 386; PS 380, 481; and REI 340.

DEPARTMENT OF PHILOSOPHY AND RELIGION

Forrest E. Wood, Jr., Chair
Hattiesburg, MS 39406-5015
(601) 266-4518

Burr, DeArmey, Sharkey, Sullivan

The Department of Philosophy and Religion offers programs of study leading to the Bachelor of Arts with a major in Philosophy, a major in Philosophy with an emphasis in Religion, a minor in Philosophy, or a minor in Philosophy with an emphasis in Religion. In general, each of these programs is designed to help students gain a better understanding of themselves, their world, their own beliefs and those of others.

The major in Philosophy offers both breadth and depth in philosophical training for students interested in pursuing graduate study in philosophy as well as for those majoring in philosophy as a pre-professional program in law, medicine, or other related fields.

The major in Philosophy with an emphasis in Religion offers and encourages breadth in the philosophical and scholarly study of the phenomenon of religion for students interested in pursuing the academic study of religion at the graduate level, or as a pre-professional program for the ministry, religious education, or counseling.

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
PHI 151	3
SCM 111, 305, 320, or 330	3
	32

SOPHOMORE YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
HIS 101, 102	6
PED 105	1
PHI 253, 356	6
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	35-38

JUNIOR YEAR	SEM. HRS.
GHY 325 or other Category IV Elective	3
Minor	10
PHI 410, 412	6
Philosophy Electives	9
	28

SENIOR YEAR	SEM. HRS.
General Electives	7
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
Minor	8
Philosophy Electives	9
Religion Elective	3
	30-33
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hours may suffice, depending upon placement.
**Students completing 3 hours of humanities electives in Category II should take 15 hours of social and behavioral sciences (Category III); those completing 6 hours of humanities electives should take 12 hours of social and behavioral sciences.

Requirements for a Minor in Philosophy

Students wishing to minor in Philosophy are required to complete eighteen (18) hours in philosophy including PHI 253, 356, and at least one course in the history of philosophy. The remaining nine (9) semester hours are to be selected from upper division offerings in philosophy in consultation with a departmental adviser.

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY WITH AN EMPHASIS IN RELIGION

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
PHI 151	3
SCM 111, 305, 320, or 330	3
	32

SOPHOMORE YEAR	SEM. HRS.
FN 167	1
Foreign Language	6*
HIS 101, 102	6
PED 105	1
PHI 253	3
REL 131	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 101, 240, 314	12-15**
	32-35

JUNIOR YEAR	SEM. HRS.
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
Minor	10
PHI 352, 372	6
Philosophy or Religion Electives	6
REL 333, 335	6
	31

SENIOR YEAR	SEM. HRS.
General Elective	4
GHY 325 or other Category IV Elective	3
Humanities Elective(s): 3-6 hrs. chosen from any of the following with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6**
Minor	8
Philosophy and Religion Electives	9
Religion Elective	3
	30-33
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hours may suffice, depending upon placement.
**Students completing 3 hours of humanities electives in Category II should take 15 hours of social and behavioral sciences (Category III); those completing 6 hours of humanities electives should take 12 hours of social and behavioral sciences.

Requirements for a Minor in Philosophy With an Emphasis in Religion

Students wishing to minor in Philosophy with an emphasis in Religion are required to complete eighteen (18) hours in philosophy and religion including PHI 372 and at least one course in the Eastern and one course in the Western religious tradition. The remaining nine (9) hours are to be selected in consultation with a departmental adviser.

DEPARTMENT OF POLITICAL SCIENCE

Ronald G. Marquardt, Chair
Hattiesburg, MS 39406-5108
(601) 266-4310

Bowers, Davis, Greene, Hatcher, Krystek, Lea, J. Parker, Waltman, Wheat, J. Wolfe

The Department of Political Science offers a major and minor in Political Science and advising in Pre-Law Studies. Degrees include the Bachelor of Arts, Master of Arts, Master of Science, and Master of Science with an Emphasis in Public Administration. The master's degrees are described in the **Graduate Bulletin.**

REQUIREMENTS FOR A MAJOR IN POLITICAL SCIENCE

The Political Science major is designed to prepare students for careers in national, state, and local governments, teaching, and international service, and other fields.

128 hrs. are required for graduation, including the collegiate general education curriculum (70 hours; see College preface for these requirements), 30 hours in the major, and 18 hours in a minor field. In addition to PS 101 (American Government) and PS 220 (Introduction to Political Science), the Political Science major must take at least one course from five of the six fields of Political Science. The remaining nine hours of the major are electives in Political Science.

The Six Fields of Political Science

Political Theory: 320, 420, 421, 425.
American Government and Politics: 301, 302, 303, 401, 402, 404, 405, 406, 407, 408, 409.
International Relations: 330, 331, 431, 432, 435.
Comparative Government: 351, 450, 451, 452, 456, 457, 458, 459.
Public Administration: 370, 375, 471, 472, 473, 474.
Public Law: 380, 480, 481, 482, 484, 485, 488, 489.

Teacher Certification

Political Science majors who wish to secure certification to teach in the secondary schools can do so through the Social Studies program, described elsewhere in this **Bulletin.**

Requirements for a Minor in Political Science

Students minoring in Political Science must complete PS 101, 220, and twelve (12) additional hours with at least one course from three of the six fields of political science.

Pre-Law Advisement

Kathanne W. Greene, Adviser
Hattiesburg, MS 39406-5108
(601) 266-4310

The requirements for admission to law schools vary slightly, and pre-law students should obtain the entrance requirements from the school of their choice. In general, law schools expect a student to possess a bachelor's degree with a major in a content field and to have a high grade point average and Law School Admission Test score.

All law schools require their students to be able to express themselves well in written composition. Therefore, students who are weak in composition should take extra composition courses.

When students first arrive, they should go to the pre-law adviser each time they register, but when they select a major, they should get an adviser from that department and thereafter see the pre-law adviser only regarding special problems.

After consultation with law school administrators and practicing attorneys, it is recommended that students add these courses as electives in meeting their curriculum requirements. The following is a suggested course sequence.

FRESHMAN YEAR	SEM. HRS.
ACC 200	3
ECO 201	3

SOPHOMORE YEAR	SEM. HRS.
ENG 300	3
PHI 253	3
PS 380 or BA 200 or CJ 330	3

JUNIOR YEAR	SEM. HRS.
ENG 332 or 333	3
PLS 383	3

SENIOR YEAR	SEM. HRS.
PS 480 or 489	3
PS 301, 407, or 481; or PHI 453	3

SOCIAL STUDIES PROGRAM

Orazio A. Ciccarelli, Director
Hattiesburg, MS 39406-5047
(601) 266-4333

Social Studies is an interdisciplinary major offered by the College of Liberal Arts for prospective secondary teachers. The program is also attractive to those students desiring a broad preparation in the social sciences. Social Studies majors must satisfy the academic requirements of the College of Liberal Arts, the major, and all criteria for teacher education. Because of the size of the curriculum, no minor is required.

REQUIREMENTS FOR A MAJOR IN SOCIAL STUDIES WITH SECONDARY CERTIFICATION

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Fine Arts	3
FN 167	1
Foreign Language (all hours in a single language; fewer hours may suffice depending on placement)	6-12
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	4
MAT 101 or higher level	3
PED 105	1
PS 101	3
	33-39

SOPHOMORE YEAR	SEM. HRS.
ECO 201, 202	6
ENG 203	3
GHY 101	3
HIS 140, 141	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	4
PSY 110/110L	3
Science or Mathematics Elective (any Category IV Elective)	3
SCM 111	3
SOC 101	3
	34

JUNIOR YEAR	SEM. HRS.
Anthropology Elective	3
Geography Elective (331, 341, 350)	3
HIS 341, 345	6
PHI 151 or REL 131	3
PS 301	3
PSY 374	3
REF 400, 469	6
SPE 400	3
	30

SENIOR YEAR	SEM. HRS.
Anthropology/Sociology Elective	3
Area Methods (CIS 458 or HIS 488)	3
CIS 474, 475, 476	5
Geography Elective (331, 341, 350)	3
History Elective	3
Political Science Elective	3
Student Teaching (HIS 490)	12
	32

TOTAL: 129-135

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

James G. Flanagan, Chair
Hattiesburg, MS 39406-5074
(601) 266-4306

Danforth, G. Dunn, Glamser, Jackson,
S. Parker, Pimley, B.T. Smith, R. Turner, Winn

SOCIOLOGY

The Department of Sociology and Anthropology offers majors and minors in Sociology and Anthropology. A minimum of thirty-three (33) semester hours is required for the sociology major. Eighteen (18) hours are needed for the minor.

Core curricula of the University, the College of Liberal Arts, and for the Bachelor of Arts degree programs should be followed with care.

Sociology majors will complete a minor in another field of their choice. Courses not needed to fulfill major, minor, or core requirements are free electives and may be taken in any department of the University.

The Major in Sociology

(Sociology 101 is a prerequisite to all other course offerings.)

	Hours		Hours
SOC 101	3	SOC 462	3
SOC 301 or 302	3	SOC 482	3
SOC 460	3	Sociology Electives	18

A suggested selection of courses is listed for each year. These include required and elective courses for majors in sociology and anthropology. The sequence of many courses can be modified with the approval of the academic adviser. Many courses have prerequisites. Always check catalog descriptions to determine this. Certain courses are regularly scheduled for fall semester or spring semester. Students should note this and plan schedules to include the needed courses; this is especially true if one's schedule anticipates the completion of academic work in December or August.

Students will need to schedule 15 to 18 hours (5 or 6 courses) per semester in order to graduate in a regular eight-term (4 year) schedule. Transfer students should schedule any needed core courses as early as possible after entering.

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6**
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
Foreign Language	6**
Humanities Elective(s): 3-6 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
SOC 101	3
Social and Behavioral Science: 9-12 hours chosen from at least 3 of the following disciplines: ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L; SOC 240, 314	9-12*
	36

JUNIOR YEAR	SEM. HRS.
FN 167	1
PED 105	1
SOC 301 or 302, 460	6
Minor	9
Sociology Electives	12
	29

SENIOR YEAR	SEM. HRS.
Electives	7
Minor	9
SOC 462, 482	6
Sociology Electives	6
	28
TOTAL:	128

*Students completing 6 hours of anthropology should take 9 hours of social and behavioral sciences.
**Foreign language proficiency through course level 202 is required; as few as 6 hours may suffice, depending upon placement.

Requirements for a Minor in Sociology

For majors in other disciplines desiring a minor in Sociology, a minimum of eighteen (18) hours including SOC 101 is required.

The Major in Anthropology

	Hours		Hours
ANT 101 or 221	3	ANT 351	3
ANT 231	3	ANT 421	3
ANT 241	3	Anthropology Electives	18

Anthropology majors will complete a minor in another field of their choice.

REQUIREMENTS FOR A MAJOR IN ANTHROPOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
ENG 203	3
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320, or 330	3
	35

SOPHOMORE YEAR	SEM. HRS.
ANT 101 or 221	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
Foreign Language	6*
Humanities Elective: 3 hrs. chosen from any of the following disciplines: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
SOC 101, 240, 314	3-6**
Social and Behavioral Sciences: 9-12 hours chosen from at least 3 of the following disciplines: ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/110L;	9-12
	36

JUNIOR YEAR	SEM. HRS.
ANT 231, 241	6
Anthropology Electives	9
FN 167	1
Minor	9
PED 105	1
	26

SENIOR YEAR	SEM. HRS.
ANT 351, 421	6
Anthropology Electives	9
Electives	7
Minor	9
	31
TOTAL:	128

*Foreign language proficiency through course level 202 is required; as few as 6 hours may suffice, depending upon placement. **Students must complete SOC 101. Students completing an additional 3 hours of sociology (SOC 240 or 314) should take 9 hours of social and behavioral sciences.

Requirements for a Minor in Anthropology

For major in other disciplines desiring to minor in Anthropology, a minimum of eighteen (18) hours including ANT 221, 231, and 241 is required.

MINOR IN ASIAN STUDIES

S. Winn, Director

Hattiesburg, MS 39406-8153

(601) 266-4306

An emphasis in Asian Studies leads to an interdisciplinary minor within the Departments of Sociology and Anthropology, Foreign Languages, Geography and Area Development, History, Philosophy and Religion, and Political Science. The program is primarily designed for students who seek preparation for positions with the United Nations Organization or with the United States Government in this or a foreign country, for careers in business and private organizations having overseas interests, for teaching, and for research projects in archaeology, anthropology, and other fields undertaken in cooperation with a university or museum.

DEPARTMENT OF SPEECH AND HEARING SCIENCES

Stephen E. Oshrin, Chair

Hattiesburg, MS 39406-5092

(601) 266-5216

Benham, Bradley, A. Brown, Carlin, Rhodes, Saniga, Schaub, Terrio

The Department of Speech and Hearing Sciences offers undergraduate coursework which provides both a broad, eclectic exposure to communication processes and disorders and a solid foundation for graduate studies in the field. The department provides an ideal blend of academic, clinical, and research activities for both undergraduate and graduate students.

In addition to its academic courses, the Department of Speech and Hearing Sciences operates a Speech-Language and Hearing Clinic, the Preschool Language Program, the School for Children with Impaired Hearing, and the School for Children with Language Disorders. These clinical operations provide real life experiences for majors in the department and complement the scholarly activities of the faculty. The department also has an excellent research facility available for both student and faculty research.

University Speech/Language Clinic

Ann T. Brown, Director

University Hearing Clinic

Lee Terrio, Director

Hattiesburg, MS 39406-5092

(601) 266-5216

The Speech/Language and Hearing Clinics are operated by the Department of Speech and Hearing Sciences in the College of Liberal Arts to provide students with orientation to clinical

procedures used in speech/language pathology and audiology. The Clinic is located in the Speech, Hearing, Reading, and Special Education Building.

This Clinic has a dual function. It provides facilities for the training of specialists in the areas of audiology, education of the deaf, and speech/language disorders as well as providing clinical services for individuals with hearing and speech/language problems.

The Clinic's services include diagnostic examinations and therapy programs for both children and adults who have speech or hearing problems.

School for Children with Impaired Hearing

Linda Cubley, Director

Hattiesburg, MS 39406-5092

(601) 266-5225

The University of Southern Mississippi's Deaf Education Program serves as a regional center for deaf children. The program includes a diagnostic center, preschool program that provides home visits to parents or preschoolers, a daily preschool class, and a self-contained class for school-age children.

The program sometimes serves as a resource center for hearing impaired children who are mainstreamed in regular public school classes all or part of a school day.

University students, upon completing specific courses, may obtain supervised practicum in the school for academic credit and clock hours. Financial support is provided by the State Department of Education and Federal Grant, P.L. 89-313. No fees are charged to the parents.

Preschool Language Program

Mary T. Schaub, Director

Hattiesburg, MS 39406-5092

(601) 266-5232

The Preschool Language Program provides an interdisciplinary approach to diagnosis and treatment for communicatively handicapped and developmentally delayed infants and preschool children. Intensive therapy, on an individual basis or in group settings, is provided. Home-based instruction is also available.

The program is supported by Forrest-Lamar United Way; State Department of Education and Federal Grant, P.L. 89-313. No fees are charged to the parents.

School For Children With Language Disorders

Maureen K. Martin, Director

Hattiesburg, MS 39406-10035

(601) 266-5223

The School for Children with Language Disorders is part of the Department of Speech and Hearing Sciences. It is a laboratory school for children with language and speech disorders related to hearing impairments, aphasia, and/or severe language/speech disorders related to central auditory processing problems. Children may be enrolled full-time or part-time on an out-client basis according to their needs. Diagnostic evaluations at nominal fees are available for children with language and learning problems and speech disorders.

Financial support is provided by Minimum Foundation Program, State Department of Education; federal grant, P.L. 89-313; Forrest-Lamar United Way; and gifts.

University students, upon completing specific courses, may obtain supervised clinical practicum in the school for academic credit and/or clock hours.

Pre-Professional Program in Speech Pathology and Audiology

This undergraduate curriculum is designed to provide a foundation for meeting the Mississippi State Department of Education certification requirements in speech and hearing. The minimum certification level for Speech-Language Clinicians and School Audiologists is Class AA, which requires a master's degree. Therefore, it must be understood that the undergraduate education, described below, will **not** lead to eligibility for certification by the Mississippi State Department of Education. Eligibility for certification will be achieved upon completion of the master's degree in the appropriate area. Since admission to the Graduate

Program is selective, completion of the undergraduate program does not guarantee admission to the Graduate Program. See the **Graduate Bulletin** for information relating to admission requirements for graduate study. Students considering public school employment in states other than Mississippi are urged to become familiar with the certification requirements in those states.

Undergraduate Program in Education of the Deaf

Students following the degree plans described in this section under Education of the Deaf will obtain a Class A certificate as a teacher of the deaf.

REQUIREMENTS FOR A PRE-PROFESSIONAL MAJOR IN SPEECH-LANGUAGE PATHOLOGY/AUDIOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
Foreign Language	6*
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320 or 330	3
	32

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
FN 167	1
Foreign Language	6*
PED 105	1
PSY 110/110L	3
SHS 211	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	12
	32

JUNIOR YEAR	SEM. HRS.
Humanities Elective: 3 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3
PHI 151 or REL 131	3
Science or Mathematics Elective (any Category IV elective)	3
SHS 201, 202/202L, 221, 310, 311, 401, 402, 403, 411	24
	33

SENIOR YEAR	SEM. HRS.
PSY 370 or 372	3
PSY 374	3
REF 400	3
SHS 406, 408, 412, 421, 430, 431, 432	21
SPE 400	3
	33

TOTAL: 130

*Foreign Language Requirements: With the permission of the adviser and department chair, the student may substitute nine hours of American Sign Language (SHS 423, 429, 440) for the collegiate requirement of foreign language proficiency. Students should be prepared to justify this substitution as appropriate to their career plans.

REQUIREMENTS FOR A MAJOR IN EDUCATION OF THE DEAF

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science (recommended courses include AST 111/111L, 112/112L; BSC 103/103L; CHE 104/104L; GLY 101/101L; but any Category IV Lab. Science course will suffice)	8
MAT 101 or higher level	3
SCM 111, 305, 320 or 330	3
	26

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
Fine Arts (AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
PED 105	1
PSY 110/110L	3
SHS 423	3
Social and Behavioral Sciences: 12-15 hours chosen from at least 4 of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314	12
	25

JUNIOR YEAR	SEM. HRS.
Humanities Elective: 3 hrs. chosen from any of the following, with no more than 3 hrs. from any one discipline: AMS 304, 404; ENG 200, 201, 202, 205, 350, 351, 370, 371; HIS 140, 141; HUM 233, 253, 310, 320, 340, 370	3-6
FN 167	1
PHI 151 or REL 131	3
REF 469	3
Science or Mathematics Elective (any Category IV elective)	3
SHS 201, 221, 310, 311, 401, 402, 421, 429	20
SPE 400	3
	36

SENIOR YEAR	SEM. HRS.
CIE 474, 475, 476	5
PSY 374	3
REF 400	3
SHS 422, 425, 433, 436, 440	18
SHS 495	12
	41
TOTAL:	128

Requirements for a Minor in Speech-Language Pathology/Audiology

All students pursuing a minor in Speech-Language Pathology/Audiology must complete eighteen (18) hours. Courses required for the minor are SHS 211, 221, 423. Recommended courses are SHS 401, 425, 431.

Requirements for a Minor in Education of the Deaf

All students pursuing a minor in Education of the Deaf must complete eighteen (18) hours. Courses required for the minor are SHS 423, 425, 429. Recommended courses are SHS 402, 421, 440.

COLLEGE OF SCIENCE AND TECHNOLOGY
ACADEMIC OFFERINGS
1992-1993

School/Department	Major/Emphasis	Degree***
SCHOOL OF ENGINEERING TECHNOLOGY		
	ARCHITECTURAL ENGINEERING TECHNOLOGY	BS
	COMPUTER ENGINEERING TECHNOLOGY	BS
	CONSTRUCTION ENGINEERING TECHNOLOGY	BS
	ELECTRONICS ENGINEERING TECHNOLOGY*	BS
	INDUSTRIAL ENGINEERING TECHNOLOGY	BS
	Manufacturing Technology Emphasis	
	MECHANICAL ENGINEERING TECHNOLOGY	BS
	PRE-ARCHITECTURE**	
	PRE-ENGINEERING**	
BIOLOGICAL SCIENCES		
	BIOLOGICAL SCIENCES*	BA,BS
	Botany Emphasis	
	Environmental Biology Emphasis	
	Marine Biology Emphasis	
	Microbiology Emphasis	
	Molecular Biology Emphasis	
	Zoology Emphasis	
	(GENETICS)****	
CHEMISTRY AND BIOCHEMISTRY		
	CHEMISTRY*	BS
	ACS Certified Emphasis	
	Chemistry Emphasis	
	Biochemistry Emphasis	
COMPUTER SCIENCE AND STATISTICS		
	COMPUTER SCIENCE*	BS
	Applied Computer Science Emphasis	
	Computer Science Emphasis	
	Statistics Emphasis	
GEOLOGY		
	GEOLOGY*	BS
MATHEMATICS		
	MATHEMATICS*	BA,BS
MEDICAL TECHNOLOGY		
	MEDICAL TECHNOLOGY	BS
PHYSICS AND ASTRONOMY		
	PHYSICS*	BS
POLYMER SCIENCE		
	POLYMER SCIENCE*	BS
SCIENCE EDUCATION		
	SCIENCE EDUCATION*	BS
	Biological Science Emphasis	
	Chemistry/Physics Emphasis	
	General Science Emphasis	

ADDITIONAL PROGRAMS

(GENERAL SCIENCE)****
(PREPROFESSIONAL PROGRAMS)
Pre-Cytotechnology**
Pre-Dental**
Pre-Dental Hygiene**
Pre-Health Records Administration**
Pre-Medical**
Pre-Occupational Therapy**
Pre-Optometry**
Pre-Pharmacy**
Pre-Physical Therapy**
Pre-Respiratory Therapy**
Pre-Veterinary**

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*Minor Available

**These programs do not lead to degrees. Students in a preprofessional program will select an academic major with an emphasis in the appropriate preprofessional area. They will either complete the degree or transfer to the appropriate professional school after satisfying its entrance requirements.

***Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

****Minor Only Available

COLLEGE OF SCIENCE AND TECHNOLOGY

Stephen A. Doblin, Dean
Hattiesburg, MS 39406-5165
(601) 266-4883
C. Howard Heiden, Associate Dean
Hattiesburg, MS 39406-5165
(601) 266-4883

The College of Science and Technology provides training in all of the classical fields of science, several contemporary multidisciplinary areas, and "career-oriented" technology degree programs.

The College of Science and Technology is organized into one school, ten departments, and six institutes. The departments include Biological Sciences, Chemistry and Biochemistry, Computer Science and Statistics, Geology, Marine Sciences, Mathematics, Medical Technology, Physics and Astronomy, Polymer Science, and Science Education. Administered by the College is the School of Engineering Technology which includes programs in Architectural, Computer, Construction, Electronics, Industrial, and Mechanical Engineering Technology; and Manufacturing Technology at the graduate level. The institutes are the Institute of Environmental Science, the Institute of Genetics, the Institute of Microbiology and Related Science, the Institute of Surface Coatings, the Mississippi Polymer Institute, and the Center for Marine Science.

Preprofessional programs are offered by the College of Science and Technology in the following health related areas: medicine, dentistry, veterinary medicine, pharmacy, physical therapy, respiratory therapy, optometry, dental hygiene, health records administration, occupational therapy, and cytotechnology. These programs are administered by the Premedical and Health Professions Office. The College also provides a pre-engineering curriculum and a prearchitecture curriculum.

The College shares with the College of Education and Psychology joint responsibility for the Department of Science Education, embracing a sequence of courses titled Fundamentals of Science, and offering a major in science education for teachers.

A student wishing to obtain either a Bachelor of Science or Bachelor of Arts degree from the College of Science and Technology must complete the following College of Science and Technology requirements.

		Hours
I.	**Reasoning and Communication Skills** (18 hours)	
	English 101, 102 and Speech Communication	9
	Computer Science (excluding CSS 100) or Logic (PHI 253)	3
	*Mathematics (MAT 101 or higher)	6
II.	**Humanities and Fine Arts** (12 hours)	
	World Literature (ENG 203)	3
	World Civilization (HIS 101 and HIS 102)	6
	Allied Arts, Art, Music, or Theater (one of AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
III.	**Social and Behavioral Sciences** (6 hours)	
	Anthropology, Economics, Geography, Psychology, Political Science, Sociology (one course from any two of the preceding areas; ANT 101 or 221; ECO 200 or 201; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; PSY 110 or 375; SOC 101, 240, or 314)	6
IV.	**Natural and Applied Sciences** (17 hours)	
	Laboratory Science (excluding Fundamentals of Science and Mathematics)	8
	Laboratory Science, Laboratory or Non-Laboratory Natural Science, or Applied Science or Technology (excluding Fundamentals of Science and Mathematics)	6
	*Mathematics	3
V.	**Human Wellness** (2 hours)	
	Food and Nutrition (FN 167)	1
	Physical Fitness (PED 105)	1
	TOTAL:	55

*Must include at least one course in Calculus among the 9 hours of Mathematics taken.

NOTE: The student seeking a Bachelor of Arts degree must complete 3 additional hours of English and 6-9 hours of foreign language. Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200-level or above.

In addition to the degree programs offered by the College of Science and Technology, minors are available in the areas noted previously under "Academic Offerings." The multidisciplinary General Science minor requires twenty-seven (27) hours from two or more appropriate fields (biological sciences, chemistry, computer science, geology, mathematics, and physics) with at least eight (8) hours from each field included.

CENTER FOR MARINE SCIENCE

G.A. Knauer, Director

John C. Stennis Space Center

Stennis Space Center, MS 39529

(601) 688-3177

The Center for Marine Science (MAR) is located at the John C. Stennis Space Center on the Mississippi Gulf Coast near Bay St. Louis, MS. The Center is composed of regular faculty drawn from the Department of Marine Science and the Gulf Coast Research Laboratory and also cooperates with the Departments of Biological Sciences, Chemistry and Biochemistry, Geology, and Physics and Astronomy to provide state-of-the-art research and educational opportunities in marine science.

Primarily a multidisciplinary graduate research program, the Center also offers a selected number of undergraduate courses in the four subdisciplines of biological, geological and physical oceanography and marine chemistry. The majority of undergraduate marine science courses are taught during the summer semester at the Gulf Coast Research Laboratory campus. MAR 151 (a general curriculum natural science elective) is offered on the main campus in Hattiesburg as well as the John C. Stennis Space Center.

Undergraduate students interested in preparing for graduate study in marine science should pursue a bachelor's degree program in their department of choice, developing a strong background in chemistry, physics, and mathematics through calculus.

INSTITUTE OF ENVIRONMENTAL SCIENCE

Charles R. Brent, Director

Hattiesburg, MS 39406-5137

(601) 266-4905

The Institute of Environmental Science assembles teams of researchers from all disciplines as needed to undertake applied research in the areas of environmental studies and renewable energy resources. Providing environmental expertise to the community is another major function of the Institute.

MISSISSIPPI POLYMER INSTITUTE

Shelby F. Thames, Director

Hattiesburg, MS 39406-0076

(601) 266-4868

The Mississippi Polymer Institute was authorized by the Mississippi Legislature in 1983. The purpose of the Institute is to conduct research designed to increase the utilization of Mississippi raw materials in polymers and to support the rapidly growing polymer industry in Mississippi. The institute is an integral part of the College of Science and Technology and functions in concert with the Department of Polymer Science.

PREMEDICAL AND HEALTH PROFESSIONS OFFICE

Kerry F. Herzinger, Director
Hattiesburg, MS 39406-0006
(601) 266-4724

Faculty Advisers: J. Bedenbaugh, L. Bopp, G. Cannon, J. Evans, W. Goggin, D. McCain, D. Norris, S. Rosso, R. Scheetz

The Premedical and Health Professions Office administers eleven undergraduate programs that lead to professional study in the following fields: medicine, dentistry, optometry, veterinary medicine, pharmacy, dental hygiene, physical therapy, occupational therapy, respiratory therapy, cytotechnology, and health records administration. These preprofessional programs vary greatly in content and duration; all are designed to prepare students for admission to the appropriate professional school. Students interested in any of these fields are urged to contact the Premedical and Health Professions Office to ensure that the proper courses are taken and the necessary procedures are followed. For details regarding the individual programs, consult the descriptions below.

PRE-MEDICAL PROGRAM

Schools of medicine have fundamentally similar minimal requirements for admission. Generally, these requirements include completion of specified courses in English, biology, chemistry, physics, and mathematics; completion of a baccalaureate degree; and scores from the nationally-administered Medical College Admission Test (MCAT). The minimal curriculum serves only as a foundation upon which a complete academic program is built.

The curriculum outlined here meets only **minimal** requirements for admission to the School of Medicine of the University of Mississippi and to other medical schools. The students and pre-medical adviser plan a complete program of study which will satisfy the personal educational needs of the student while enabling the student to compete for admission to medical school. Pre-medical students do not receive a degree in "pre-med." Rather, as they follow a pre-medical curriculum, they work toward completing a baccalaureate degree in the field of their choice by meeting the requirements for the college core, a major field, and a minor field where applicable, with a total of 128 hours. Generally, the first two years are devoted to meeting the pre-medical and college core requirements and the last two in completing pre-medical electives and remaining degree requirements. Students usually take the MCAT the spring of the junior year and apply to medical school the following summer.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to medical school; under certain conditions, these individuals may transfer credits from their first year at medical school and receive the bachelor's degree from the University of Southern Mississippi.

Minimal Pre-Medical Curriculum

	Hours
BSC 110, 110L; 111, 111L	8
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
ENG 101, 102	6
MAT 101, 103 or Advanced Electives	6
PHY 111, 111L; 112, 112L (or 201, 201L; 202, 202L)	8(10)
Advanced (300-400 level) Science Electives, such as comparative anatomy, embryology, genetics, microbiology, histology, biochemistry, analytic chemistry, calculus, and advanced physics	6-8

PRE-DENTAL PROGRAM

Minimal requirements for admission to most schools of dentistry are similar and normally include completion of specified courses in English, biology, chemistry, physics, and mathematics; completion of a baccalaureate degree; and scores from the nationally-administered Dental Admission Test (DAT). The minimal curriculum serves only as a foundation upon which a complete academic program is built.

The curriculum outlined here meets only **minimal** requirements for admission to the School of Dentistry of the University of Mississippi. The student and the pre-dental adviser plan a complete program of study which will satisfy the personal educational needs of the student while enabling the student to compete for admission to dental school. Pre-dental students do not receive a degree in "pre-dent." Rather, as they follow a pre-dental curriculum, they work

toward completing a baccalaureate degree in the field of their choice by meeting the requirements for the college core, a major field, and a minor field where applicable, with a total of 128 hours. Generally, the first two years are devoted to meeting the pre-dental and college core requirements and the last two in completing pre-dental electives and remaining degree requirements. Students usually take the DAT the spring of the junior year and make application to dental school the fall of the senior year.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to dental school; under certain conditions, those individuals may transfer credits from their first year at dental school and receive the bachelor's degree from The University of Southern Mississippi.

Minimal Pre-Dental Curriculum

	Hours
BSC 110, 110L; 111, 111L	8
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
ENG 101, 102, and one Elective	9
MAT 101, 103, or Advanced Electives	6
PHY 111, 111L; 112, 112L, or 201, 201L; 202, 202L)	8(10)
Advanced Biological Sciences or Chemistry Elective: among those recommended are BSC 461, 461L; 486, 486L; CHE 311, 311L; 421, 427L	4
Behavioral Science Electives (psychology or sociology)	6
SCM 111, 305, or 330	3

PRE-DENTAL HYGIENE PROGRAM

The University of Southern Mississippi offers a two year preprofessional program in dental hygiene. Two additional years, leading to a baccalaureate degree, are taken within the Department of Dental Hygiene, University of Mississippi Medical Center. To be eligible for admission to the Medical Center, candidates must have completed a minimum of 63 semester hours (see recommended curriculum below) with a minimum grade point average of 2.00.

Minimal Pre-Dental Hygiene Curriculum

	Hours
BSC 110, 110L; 250, 250L; 251, 251L; 380, 380L	16
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101	3
PSY 110, 110L	3
PSY 370, 372, 375 or 436	3
SOC 101	3
SCM 111	3
Fine Arts Elective	3
Humanities Electives	6
Social Science Electives	9

PRE-VETERINARY PROGRAM

Residents of Mississippi wishing to study veterinary medicine may ordinarily make application only to the College of Veterinary Medicine, Mississippi State University. Criteria for admission to that college are given in the MSU publication "Requirements for Application to the College of Veterinary Medicine," which is available from the pre-veterinary adviser. Candidates are evaluated on the basis of pre-veterinary academic preparation, as well as expertise in management of domestic animals and experience within the food-animal industry.

The curriculum presented here satisfies **minimal** course requirements for admission to MSU College of Veterinary Medicine. Although only sixty-five (65) semester hours are required for admission, students are strongly advised to work towards completing the baccalaureate degree in a field of science by meeting requirements for the college core, a major field, and a minor field where applicable, with a total of 128 hours. Students may acquire experience with local veterinary clinics through a co-op program offered by the Office of Cooperative Education.

Minimal Pre-Veterinary Curriculum

	Hours
BSC 110, 110L; 360; 370, 370L; 380, 380L	15
CHE 101, 101L; 102, 102L; 255, 255L; 321, 321L	16
ENG 101, 102	6
FN 362	3
MAT 101, 103, or Advanced Electives in Mathematics	6
PHY 111, 111L	4
SCM 111	3
Humanities and Fine Arts Electives	9
Social and Behavioral Science Electives	6

PRE-PHARMACY PROGRAM

Colleges of pharmacy normally require two years of preprofessional training, but minimal requirements for admission vary. The student and the pre-pharmacy adviser will design the academic program to meet the specific admission criteria for the college of pharmacy which the student wishes to attend. The program outlined here meets admission requirements of the School of Pharmacy of the University of Mississippi. A minimum of 65 semester hours is required.

Minimal Pre-Pharmacy Curriculum

	Hours
ACC 200	3
BSC 110, 110L; 111, 111L; 380, 380L	12
CHE 101, 101L; 102, 102L; 255, 255L; 256, 256L	17
ENG 101, 102	6
MAT 101, 103, or Advanced Electives	6
PHY 111, 111L; 112, 112L	8
Social Science and Humanities Electives to include at least 6 hours in psychology, sociology and/or political science	18

NOTE: The Pharmacy College Admission Test (PCAT) is required by the University of Mississippi; it may also be required by other schools. It is given in February, April, and November of each year.

PRE-PHYSICAL THERAPY PROGRAM

The curriculum outlined here fulfills course requirements for admission to the Department of Physical Therapy, School of Health Related Professions, University of Mississippi Medical Center. A minimum of sixty-five (65) semester hours is required, and students must have observed the work of two clinical departments of physical therapy for at least sixteen (16) hours prior to application. A student wishing to enter another professional school will plan an appropriate curriculum with the adviser for the pre-physical therapy program.

Minimal Pre-Physical Therapy Curriculum

	Hours
BSC 110, 110L; 111, 111L; and 361, 361L, or 250, 250L and 251, 251L	12 or 16
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101	3
PHY 111, 111L; 112, 112L	8
PSY 110, 110L; and 370, 375, or 436	6
SCM 111	3
Sociology, economics, political science, history, or anthropology Elective	3
Humanities Electives in foreign language, history, literature, philosophy, or religion	6
Fine Arts Elective in art, music, dance, or theater	3

PRE-OPTOMETRY PROGRAM

Students wishing to study optometry must complete three or more years in a preprofessional program. Currently, programs at the University of Alabama at Birmingham, the Southern College of Optometry in Memphis, Tenn., and the University of Houston in Houston, Tex.,

admit residents of Mississippi to professional study. The criteria for admission to these programs are dissimilar, and the student and pre-optometry adviser will determine the exact preprofessional curriculum to be followed. The curriculum outlined here is illustrative and does not reflect the specific entrance requirements of a particular school of optometry.

Minimal Pre-Optometry Curriculum

	Hours
BSC 110, 110L; 111, 111L; 380, 380L	12
CHE 101, 101L; 102, 102L; 255, 255L	12
ENG 101, 102	6
MAT 101, 103, 167 (or 314)	9
PHY 111, 111L; 112, 112L	8
PSY 110, 110L	3
Social Science and Humanities Electives	8-24
Statistics (CSS 211 or PSY 360)	3

Additional electives to meet total credit hour requirements for school selected.

NOTE: The Optometry College Admission Test (OCAT) is a requirement for admission to all colleges of optometry and should be taken in the fall of the third year of pre-professional study.

PRE-HEALTH RECORD ADMINISTRATION PROGRAM

The preprofessional curriculum outlined below prepares students for the two-year professional program within the Department of Health Record Administration, School of Health Related Professions, University of Mississippi Medical Center. Acceptance into the professional program is dependent upon the degree of preparation and level of academic achievement of candidates, is highly competitive, and is administered solely by the University of Mississippi. Students completing the professional program receive the B.S. degree in health record administration from The University of Mississippi.

Minimal Curriculum in Pre-Health Record Administration

	Hours
ACC 200, 300	6
BSC 110, 110L; 111, 111L; 250, 250L; 251, 251L	16
CSS 100	3
ENG 101, 102	6
MAT 101, 103	6
PSY 110, 110L	3
SCM 111	3
Fine Arts Elective	3
Humanities Electives	6
MGT 300	3

Additional electives should be taken to bring total semester hours credit to 65. Suggested electives include BSC 280, PSY 251, BED 300, 352, CSS 211, 240.

PRE-CYTOTECHNOLOGY PROGRAM

The curriculum outlined below prepares students for the two-year professional program within the Department of Cytotechnology of the School of Health-Related Professions, University of Mississippi Medical Center. Students completing the professional program receive the B.S. degree from the University of Mississippi.

Minimal Pre-Cytotechnology Curriculum

	Hours
BSC 110, 110L; 111, 111L; 380, 380L; Electives	20
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101, 103	6
Fine Arts Elective	3
Humanities Electives	6
Social Science Elective	3
Electives	13

PRE-OCCUPATIONAL THERAPY PROGRAM

The preprofessional curriculum outlined below prepares students for the two-year professional program at The University of Mississippi Medical Center. Students completing the professional program receive the B.S. degree from The University of Mississippi.

Minimal Pre-Occupational Therapy Curriculum

	Hours
BSC 110, 110L; 111, 111L; 361, 361L or 250, 250L and 251, 251L	12 or 16
CHE 101, 101L	4
ENG 101, 102	6
MAT 101	3
PHY 111, 111L	4
PSY 110, 110L and Elective	6
SCM 111	3
SOC 101 and Elective	6
Fine Arts Elective	3
Humanities Electives	6
Electives	7

PRE-RESPIRATORY THERAPY PROGRAM

The preprofessional curriculum outlined below prepares students for the two-year professional program within the Department of Respiratory Therapy, School of Health-Related Professions, University of Mississippi Medical Center. Students completing the professional program receive the B.S. degree from the University of Mississippi.

Minimal Pre-Respiratory Therapy Curriculum

	Hours
BSC 110, 110L; 250, 250L; 251, 251L; 380, 380L	16
CHE 101, 101L; 102, 102L	8
ENG 101, 102	6
MAT 101, 103	6
PHY 111, 111L	4
PSY 110, 110L	3
SCM 111	3
Fine Arts Elective	3
Humanities Electives	6
Social Science Elective	3
Electives	7

SCHOOL OF ENGINEERING TECHNOLOGY

R.A. Cade, Director
Hattiesburg, MS 39406-5137
(601) 266-4895/6

K. Ali, Bogart, Brent, Fletcher, Harrison, Heiden, Houston, Issa, Johnsey, Leybourne, Lindsey, Lipscomb, Marchman, Mathis, [1]Morris, J. Myers, Schiffman, [1]Thomas, Vajpayee

[1]USM Gulf Coast

The School of Engineering Technology offers six undergraduate programs with direct application to industry:

Architectural Engineering Technology
Computer Engineering Technology
Construction Engineering Technology
Electronics Engineering Technology
Industrial Engineering Technology
Mechanical Engineering Technology

All programs are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC/ABET). The School also offers a two-year pre-engineering program and a program leading to the Master of Science in Manufacturing Technology.

The Engineering Technology programs provide career-oriented technical education that enables graduates to enter positions with skills that are in high demand in modern industry. All programs are geared to accept transfer students from accredited community/junior colleges and technical institutes. Some guidance for transfer students is provided with the individual program information in this section; however, students planning to transfer to the School of Engineering Technology are urged to contact the appropriate Program Coordinator for details.

Minor programs in Engineering Technology are outlined following the corresponding major programs. Minor requirements may not be satisfied by transfer of courses from other institutions which are not accredited by TAC/ABET.

School of Engineering Technology graduates may seek professional status as Registered Professional Engineers in approximately 38 states, or national certification as Certified Engineering Technologists.

ARCHITECTURAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

David A. Marchman, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-5402/4895

The major in Architectural Engineering Technology emphasizes those steps in building construction projects which lead to preparation of final contract documents. The plan of study encompasses the process of architectural project definition through courses in drawing, computer-aided drafting, codes and specifications, building systems, construction contracts, and construction costs. The design and senior project courses stress spatial relationships, analytical methods, architectural programming, and architectural presentation.

Graduates are employed by architects, engineers, fabricators, vendors, design-builders, contractors, subcontractors and technical sales firms. They team with other professionals to produce drawings and specifications.

Students desiring transfer to a school of architecture should consult with their adviser early in their course of studies.

REQUIREMENTS FOR A MAJOR IN ARCHITECTURAL ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
ACT 123, 132, 204, 301	12
ENG 101, 102	6
HIS 101, 102	6
MET 201	3
MAT 101, 103	6
	33

SOPHOMORE YEAR	SEM. HRS.
ACT 222, 241, 262	9
BCT 205, 235, 336	9
FN 167, PED 105	2
MAT 136, 137	6
PHY 111, 111L, 112, 112L	8
	34

JUNIOR YEAR	SEM. HRS.
AA 100 or ART 130	3
ACT 235, 315, 316, 336, 342, 343, 363, 364	24
ENG 203	3
MET 342L	1
Category III Elective	3
	34

SENIOR YEAR	SEM. HRS.
ACT 325, 326, 400, 465	12
BCT 444, 454	6
CSS 330	3
MET 444	3
SCM 111 or SCM 320	3
ECO 201	3
Category IV Elective	3
	33
TOTAL:	134

Requirements for a Minor in Architectural Engineering Technology

The requirements for a minor in Architectural Engineering Technology are ACT 132, 235, and 301 and nine (9) hours of Architectural Engineering Technology electives (recommended courses are ACT 123, 204, and 222).

COMPUTER ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

Shelton L. Houston, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4899/4895

The major in Computer Engineering Technology offers the student a variety of topics concerning the uses of computers and digital electronics in our technical society. The plan of study leading to the baccalaureate degree provides the student with practical applications of computer technology in combination with the theoretical background necessary for a well rounded education. Extensive laboratory experience aids the student in the design, analysis, and application of digital electronics to the problems encountered in modern technology. Graduates of this program are expected to be knowledgeable in digital electronics, computer hardware, and applications involving the computer as a problem-solving tool.

REQUIREMENTS FOR A MAJOR IN COMPUTER ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CET 370, 370L	4
CSS 330, 340	6
ELT 110, 110L	5
ENG 101, 102	6
FN 167 and PED 105	2
MAT 101, 103	6
SCM 111	3
Category II (Fine Arts) Elective	3
	35

SOPHOMORE YEAR	SEM. HRS.
CHE 101, 101L or 104, 104L	4
CSS 343, 350	4
ELT 111, 111L; 210, 210L, 211, 211L	13
MAT 136, 137	6
PHY 111, 111L; 112, 112L	8
	35

JUNIOR YEAR	SEM. HRS.
CET 323, 324, 470, 470L, 471, 471L, 474	17
ELT 312, 315, 315L	7
*Technology Elective	3
Category III Elective	6
	33

SENIOR YEAR	SEM. HRS.
CET 437, 477, 478, 478L	11
CSS 425, 426	6
ENG 203, 333	6
HIS 101, 102	6
*Technology Elective	3
	32
TOTAL:	135

*Upper division engineering technology or computer science approved by adviser.

Requirements for a Minor in Computer Engineering Technology

Students minoring in Computer Engineering Technology must complete twenty-one (21) hours as follows: MAT 137 or 168 and eighteen (18) hours of Computer Engineering Technology electives.

CONSTRUCTION ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.)

David A. Marchman, Coordinator

Hattiesburg, MS 39406-5137

(601) 266-5402/4895

The Construction Engineering Technology program emphasizes the management aspects of the construction industry. Construction is the largest and most diversified industry in the country, accounting for approximately 10 percent of the gross national product. The key professional in this vast enterprise is the constructor, or construction manager. The constructor has final responsibility for planning, scheduling, and building projects designed by architects and engineers. These highly specialized efforts are indispensable in meeting the country's growing need for new structures, utilities, and environmental control projects.

While requiring basic business courses, the interdisciplinary Construction Engineering Technology program offers students specialized course work in building systems, construction procedures, cost estimating, construction contracts, and construction engineering. Graduates are employed in both office and field positions in the commercial, industrial, utility, highway, and residential sectors. Employers include contractors, subcontractors, consultants, government agencies and construction services firms.

REQUIREMENTS FOR A MAJOR IN CONSTRUCTION ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
ACT 132, 204	6
ENG 101, 102	6
FN 167 and PED 105	2
GLY 101	3
HIS 101, 102	6
MAT 101, 103	6
MET 201	3
	32

SOPHOMORE YEAR	SEM. HRS.
ACC 200	3
ACT 241	3
BA 200	3
BCT 205, 235, 336	9
ENG 203	3
MAT 136, 137	6
PHY 111, 111L, 112, 112L	8
	35

JUNIOR YEAR	SEM. HRS.
ACT 315, 316, 326, 342, 343	15
BCT 358, 374, 375	8
CSS 330	3
ENG 333	3
MET 342L	1
MGT 300	3
SCM 320	3
	36

SENIOR YEAR	SEM. HRS.
AA 100 or ART 130	3
BCT 444, 445, 454, 455, 476, 477	18
ECO 201	3
INT 301 or approved Business Elective	3
MET 444	3
Category III Elective	3
	33
TOTAL:	136

Requirements for a Minor in Construction Engineering Technology

The requirements for a minor in Construction Engineering Technology are ACT 132, ACT 204, and BCT 235, plus nine (9) hours of Construction Engineering Technology electives (recommended courses are BCT 336, BCT 358, BCT 454, and BCT 455).

ELECTRONICS ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

Shelton L. Houston, Coordinator

Hattiesburg, MS 39406-5137

(601) 266-4899/4895

The major in Electronics Engineering Technology covers a variety of topics in modern electronics, including electronic devices, digital systems and microprocessors, instrumentation, control systems, power systems and communications electronics. Graduates will have extensive knowledge of electronics and will be qualified to fill supervisory positions in the electronics industry.

Students transferring from a junior college or technical institute should have completed the following courses in order to complete the program in 4 regular semesters:

1. Freshman and sophomore level courses in basic electricity and electronics (29 sem. hrs.) (normally satisfied by Associate Degree in Electronics Technology),
2. English composition (6 sem. hrs.)
3. College algebra and trigonometry (6 sem. hrs.)
4. Physics with laboratory (8 sem. hrs.)
5. Computer programming (BASIC) (3 sem. hrs.)
6. Other courses applicable to the General Core Curriculum (12 sem. hrs.).

REQUIREMENTS FOR A MAJOR IN ELECTRONICS ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L or 104, 104L	4
ELT 100, 110, 110L, 120	10
ENG 101, 102	6
FN 167 and PED 105	2
MAT 101, 103	6
MET 201	3
SCM 111	3
	34

SOPHOMORE YEAR	SEM. HRS.
CSS 240 or 330	3
ELT 111, 111L, 210, 210L, 211, 211L, 230, 240	19
PHY 111, 111L, 112, 112L	8
Category II (Fine Arts) Elective	3
	33

JUNIOR YEAR	SEM. HRS.
ELT 312, 315, 315L, 316, 316L, 332, 332L, 333, 333L	19
ENG 333	3
INT 301	3
MAT 136, 137	6
MET 330	3
	34

SENIOR YEAR	SEM. HRS.
ELT 400, 401, 412, 412L, 470, 470L	14
ENG 203	3
HIS 101, 102	6
INT 302	3
Technology Elective	3
Category III Electives	6
	35
TOTAL:	136

Requirements for a Minor in Electronics Engineering Technology

Students minoring in Electronics Engineering Technology must complete eighteen (18) hours as follows: ELT 110, 110L, 111, 111L, and eight (8) hours of Electronics Engineering Technology electives (ELT 210, 210L, 211, 211L are strongly recommended).

INDUSTRIAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

S. Kant Vajpayee, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4727/4895

The major in Industrial Engineering Technology offers a baccalaureate program designed to prepare students to meet the growing demands of industry for employees with expertise in manufacturing processes, statistical quality control, production management, automation, and computer-aided manufacturing. In addition to the traditional program emphasizing productivity improvement, a special emphasis area in manufacturing is offered. Both programs provide the graduate with a strong background in the technical sciences and applied mathematics, and prepares him or her for a wide spectrum of jobs in the manufacturing, service, and government sectors.

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167 and PED 105	2
HIS 101, 102	6
INT 148, 250	6
MAT 101, 133	6
Category II (Fine Arts) Elective	3
Category III Elective	3
	32

SOPHOMORE YEAR	SEM. HRS.
CHE 104, 104L	4
CSS 211	3
CSS 240 or 330	3
ENG 203	3
MAT 136, 137	6
MET 201	3
PHY 111, 111L, 112, 112L	8
Category III Elective	3
	33

JUNIOR YEAR	SEM. HRS.
ACT 241, 342	6
ENG 333	3
INT 301, 302, 308	9
IVE 360, 362	6
MET 342L, 362	4
SCM 320	3
Category IV Elective	3
	34

SENIOR YEAR	SEM. HRS.
ELT 411	4
INT 400, 405, 407, 408, 409, 410, 410L, 460, 460L, 480	26
MET 420	3
Technology or Management Elective	3
	36

TOTAL: 135

REQUIREMENTS FOR A MAJOR IN INDUSTRIAL ENGINEERING TECHNOLOGY WITH AN EMPHASIS IN MANUFACTURING

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CSS 211	3
ENG 101, 102	6
FN 167 and PED 105	2
HIS 101, 102	6
INT 148, 250	6
MAT 101, 133	6
Category III Elective	3
	35

SOPHOMORE YEAR	SEM. HRS.
CSS 240 or 330	3
ENG 203	3
MAT 136, 137	6
MET 201	3
PHY 111, 111L, 112, 112L	8
SCM 320	3
Category III Elective	3
Category IV Electives	6
	35

JUNIOR YEAR	SEM. HRS.
ENG 333	3
INT 301, 302, 308	9
IVE 360, 362	6
Technology Electives*	15
	33

SENIOR YEAR	SEM. HRS.
ELT 411	4
INT 400, 405, 407, 408, 409, 410, 410L, 460, 460L, 480	26
MET 420	3
	33
TOTAL:	136

*Technology electives must be related to manufacturing and must be approved by the Program Coordinator.

Requirements for a Minor in Industrial Engineering Technology

The requirements for a minor in Industrial Engineering Technology are INT 405, 409, 410 (required) and nine (9) hours of Industrial Engineering Technology electives.

MECHANICAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

S. Kant Vajpayee, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4727/4895

The Mechanical Engineering Technology major is concerned with practical application of engineering principles to the design, operation, and testing of mechanical equipment and systems. Fields of study include robotics, solar energy, strength of materials, machine design, computer programming and applications, digital instrumentation, fluids, hydraulics, air conditioning design, manufacturing materials and processes, and personnel supervision. Students also develop competence in physics and applied mathematics. Graduates are able to solve problems involving the choice of materials, mechanical design, selection of manufacturing process, as well as the economic and personnel considerations. Because of the large demand for technically educated men and women, Mechanical Engineering Technology graduates can expect to develop a rewarding, successful career in many employment settings such as industry, government, consulting, or service.

REQUIREMENTS FOR A MAJOR IN MECHANICAL ENGINEERING TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CHE 104, 104L	4
ENG 101, 102	6
FN 167 and PED 105	2
HIS 101, 102	6
INT 148, 250	6
MAT 101, 133	6
Category II (Fine Arts) Elective	3
	33

SOPHOMORE YEAR	SEM. HRS.
CSS 240 or 330	3
ENG 203	3
IVE 360, 362	6
MAT 136, 137	6
MET 201, 330	6
PHY 111, 111L, 112, 112L	8
Category III Elective	3
	35

JUNIOR YEAR	SEM. HRS.
ACT 241, 342	6
CSS 211	3
ELT 411	4
INT 301, 302, 308	9
MET 331, 331L, 342L, 410	8
Category III Elective	3
	33

SENIOR YEAR	SEM. HRS.
ENG 333	3
INT 407, 460, 460L	7
MET 322, 323, 323L, 362, 400, 420, 444, 444L	20
SCM 320	3
	33
TOTAL:	134

Requirements for a Minor in Mechanical Engineering Technology

Students minoring in Mechanical Engineering Technology must complete INT 250, ACT 241, MET 323 and an additional fifteen (15) hours of Mechanical Engineering Technology electives (MET 330 and 420 are strongly recommended).

PRE-ENGINEERING CURRICULUM OUTLINES

Cecil A. Harrison, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4895/6

Pre-engineering provides the academic background required for transfer into an engineering school at the junior (third-year) level. A typical pre-engineering curriculum is listed below; however, the Pre-Engineering Coordinator designs each student's program to ensure that all coursework can be transferred to the engineering program designated by the student. The engineering fields for which a USM student can prepare include, but are not limited to:

Aerospace Engineering
Agricultural Engineering
Biomedical Engineering
Chemical Engineering
Civil Engineering
Electrical Engineering
Geological Engineering
Industrial Engineering
Mechanical Engineering
Nuclear Engineering
Petroleum Engineering

TYPICAL PRE-ENGINEERING CURRICULUM

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8	CSS 240	3
ENG 101, 102	6	INT 301	3
INT 148	3	MAT 280, 385	6
MAT 178, 179 or 167, 168, 169	10	MET 260, 360, 360L	7
SCM 111	3	PHY 201, 201L, 202, 202L	10
Humanities Electives	6	Social or Behavioral Science Electives	6
	36		35

DEPARTMENT OF BIOLOGICAL SCIENCES

B. L. Middlebrooks, Chair
Hattiesburg, MS 39406-5018
(601) 266-4748

D. Anderson, G. Anderson, Beckett, Biesiot, Bopp, [4]Cibula, Cliburn, Curry, Ellender, [2]Eleuterius, [2]Hawkins, [2]Heard, Howell, [2]Howse, Larsen, [2]Lotz, [2]McIlwain, B. Martin, F. Moore, [1]Murphy-Corb, Norris, [2]Overstreet, [5]Pennington, Pessoney, [2]Poss, S. Ross, Rosso, Santangelo, Scheetz, Shearer, [6]Simons, B.C. Smith, [3]Solangi, Tornow, Wang, Wooten, Yarbrough

[1]Delta Regional Primate Research Center; [2]Gulf Coast Research Laboratory; [3]Marine Life; [4]National Space Technology Laboratories; [5]U.S. Army Engineers Waterways Experiment Station; [6]U.S. National Park Service.

The Department of Biological Sciences offers a choice of emphasis areas leading to either the Bachelor of Arts or the Bachelor of Science degree in Biological Sciences. These emphasis areas, which are designed to prepare students for careers in several broad fields of the biological sciences, include botany, environmental biology, marine biology, microbiology, molecular biology, and zoology. Information concerning the Master of Science and the Doctor of Philosophy degrees appears in the **Graduate Bulletin**. A student's choice of degree program and of curriculum should be determined in consultation with an adviser.

A. General Core Curriculum Requirements

A student majoring in Biological Sciences must satisfy the general core requirements of the College of Science and Technology.

B. **Departmental Curriculum Requirements and Recommendations**
1. BSC 110, 111, and 370.
2. CHE 101, 102, 255, and 256.
3. MAT 314, or 167, or 178 (May be included as a part of College core. Qualified students may begin their mathematics sequence with MAT 167 or 178.)
4. PHY 111, 112, (or 201, 202).

C. **Required courses for an emphasis in Botany, Environmental Biology, Marine Biology, or Zoology.**
1. BSC 201, 226, 360.
2. A minimum of fifteen (15) additional hours in Biological Sciences. Include at least one course from each of the following groups: Organismal Form, Organismal Function, and Environmental Biology. At least one elected course should be in botany and one in zoology.
Form Group: BSC 361, 402, 407, 408, 409, 410, 411, 412, 413, 414, 415, 417, 418, 419, 426, 427, 428, 429, 430, 432, 433, 434, 461, 462, 465, 466, 467, 480
Function Group: BSC 431, 450, 451, 452, 453, 454L, 455, 456, 467
Environmental Group: BSC 435, 440, 441, 442, 443, 444, 445, 489

D. **Required courses for an emphasis in Microbiology**
1. BSC 380, 477, 484, 486, 487.
2. CHE 311/311L, 421, 422.
3. CSS 211 and 240, or 330.
4. A minimum of fourteen (14) additional hours in Biological Science, including at least one course from the Applied Microbiology Group and at least one course from the Advanced Microbiology Group.

Applied Microbiology Group: BSC 481, 488, 489.
Advanced Microbiology Group: BSC 476, 480, 482, 483, 485.
Other Recommended Electives: BSC 360, 403, 407, 410, 412, 426, 427, 450, 460, 461, 462, 463, 464, 467, 471, 473, 474.

E. **Required courses for an emphasis in Molecular Biology**
1. BSC 380, 476, 477, 484, 486, 487, 492.
2. CHE 421/427L, 422/428L.
3. CSS 211.
4. Interdisciplinary electives.

A minimum of 12 hours from the following electives with at least two courses from one group.
Group I: (Recommended to students in pre-professional programs)
BSC 456, 460, 461, 463, 464.
Group II: BSC 471, 473.
Group III: CHE 311, 461, 461L, 462, TOX 470.
Group IV: BSC 431, 450, 451, 452, 453, 454L.

Note: All Biological Sciences majors are strongly urged to take ENG 333 as a general elective during their junior or senior year.

RECOMMENDATIONS FOR EMPHASIS IN BOTANY, ENVIRONMENTAL BIOLOGY, MARINE BIOLOGY, AND ZOOLOGY

FRESHMAN YEAR	SEM. HRS.
BSC 110/110L, 111/111L	8
CHE 101/101L, 102/102L	8
ENG 101, 102	6
MAT 101, 103	6
Elective	3
	31

SOPHOMORE YEAR	SEM. HRS.
BSC 201/201L, 226/226L	6
CHE 255/255L, 256/256L	9
MAT 314	3
General Education Core and Electives	14
	32

Botany Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	7
BSC Form Group (402, 426, 427, 428, 429, 430, 432, 433, 434, 462)	3-4
BSC Function Group (431)	3
PHY 111/111L, 112/112L	8
Electives	11
	32-33

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (435)	3
Electives	30
	33

Environmental Biology Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	7
BSC Form Group (407, 408, 409, 410, 411, 412, 413, 414, 415, 417, 418, 419, 480)	3-4
BSC Function Group (450, 451 452, 453, 455, 467)	3-4
PHY 111/111L, 112/112L	8
Electives	11
	32-34

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (440, 441, 442, 443, 444, 445, 489)	3
Electives	28-30
	31-33

Marine Biology Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	7
BSC Form Group (361, 408, 409, 414, 415, 427, 428, 430, 461, 462)	3-4
BSC Function Group (450, 451, 452, 453, 467)	3-4
PHY 111/111L, 112/112L	8
Electives	11
	32-34

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (435, 440, 441, 442)	3
Electives	28-30
	31-33

Zoology Emphasis

JUNIOR YEAR	SEM. HRS.
BSC 360, 370	7
BSC Form Group (361, 407, 408, 409, 410, 411, 412, 413, 414, 415, 417, 418, 419, 461, 462, 465, 466)	3-4
BSC Function Group (450, 451, 452, 453, 455, 456, 467)	3-4
PHY 111/111L, 112/112L	8
Electives	11
	32-34

SENIOR YEAR	SEM. HRS.
BSC Environmental Group (440, 441, 442, 443, 444, 445)	3
Electives	28-30
	31-33

RECOMMENDATIONS FOR AN EMPHASIS IN MICROBIOLOGY

FRESHMAN YEAR	SEM. HRS.
BSC 110/110L, 111/111L	8
CHE 101/101L, 102/102L	8
ENG 101, 102	6
MAT 101, 103	6
General Education Core and Electives	4
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 380/380L and 481/481L, or 488/488L, or 489/489L	8
CHE 255/255L, 256/256L	9
CSS 240, or 330	3
MAT 314, or 167, or 178	3-5
General Education Core and Electives	10
	33-35

JUNIOR YEAR	SEM. HRS.
BSC 370/370L, 484/484L, 487/487L	12
CHE 311/311L	5
PHY 111/111L, 112/112L, or 201/201L, 202/202L	8-10
General Education core and Electives	7-9
	32-36

SENIOR YEAR	SEM. HRS.
BSC 477/477L, 486/486L	8
BSC 480/480L, or 482/482L, or 483/483L, or 485/485L	4
CHE 421, 422	6
CSS 211	3
Electives	11
	32

RECOMMENDATIONS FOR AN EMPHASIS IN MOLECULAR BIOLOGY

FRESHMAN YEAR	SEM. HRS.
BSC 110/110L, 111/111L	8
CHE 101/101L, 102/102L	8
ENG 101, 102	6
MAT 101, 103	6
General Education Core and Electives	4
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 380/380L	4
CHE 255/255L, 256/256L	9
MAT 314, or 167	3
PHY 111/111L, 112/112L, or 201/201L, 202/202L	8-10
General Education Core and Electives	9
	33-35

JUNIOR YEAR	SEM. HRS.
BSC 360, 370,370L, 484/484L, 487/487L	15
CSS 211	3
General Education Core and Electives	14
	32

SENIOR YEAR	SEM. HRS.
BSC 477/477L, 486/486L, 492	10
CHE 421/427L, 422/428L	8
Electives	15
	33

Requirements for a Minor in Biological Sciences

The following is recommended for a minor in Biological Sciences: eighteen (18) hours in biological sciences including at least seven (7) hours numbered 300 or above.

INSTITUTE OF GENETICS

Karen M. Yarbrough, Director

Hattiesburg, MS 39406-5116

(601) 266-5116

The Institute of Genetics participates in programs leading to the Master of Science and the Doctor of Philosophy degrees through the Department of Biological Science. Information on these programs may be obtained from the **Graduate Bulletin.**

GULF COAST RESEARCH LABORATORY

The Department of Biological Sciences is allied with the Gulf Coast Research Laboratory in Ocean Springs. Faculty at both institutions actively participate in teaching and research activities at the Gulf Coast Research Laboratory. Summer coursework at Ocean Springs is strongly recommended for both undergraduate and graduate students.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

David Creed, Chair
Hattiesburg, MS 39406-5043
(601) 266-4701

Bateman, A. Bedenbaugh, J. Bedenbaugh, Cannon, Elakovich, Evans, Fawcett, Griffin, Heinhorst, Howell, Hoyle, Khanna, McCain, McCormick, McMurtrey, Minn, Pojman, Rayborn, van Aller, Wertz, Wiesenburg, H. P. Williams

A student majoring in Chemistry must work toward the Bachelor of Science degree. For information concerning the Master of Science degree and the Doctor of Philosophy degree, see the **Graduate Bulletin.** A major in Chemistry includes satisfaction of the general core requirements of the University and the College of Science and Technology and no less than thirty-nine (39) semester hours of chemistry. A minor is not required. The lecture and laboratory portions of required courses must be taken concomitantly. No chemistry course in which a student receives a grade less than **C** will count toward the chemistry major.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY

Chemistry

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
HIS 101, 102	6
MAT 103 or 128, 178	8
Speech Communication Core	3
Electives*	3
	34

SOPHOMORE YEAR	SEM. HRS.
CHE 255, 255L, 256, 256L	9
Fine Arts Core	3
FN 167	1
MAT 179	5
PED 105	1
PHY 111, 111L, 112, 112L or 201, 201L, 202, 202L	8-10
Elective*	3
	30-32

JUNIOR YEAR	SEM. HRS.
CHE 311, 311L	5
CHE 461, 461L, 462, 462L	8
ENG 203, 333	6
Electives*	15
	34

SENIOR YEAR	SEM. HRS.
CHE 400, 411, 411L, 494 or 496	9
CSS 240 or 330	3
Social Science Core	6
Chemistry Electives**	3
Electives*	10
	31

TOTAL: 129-131

*Recommended electives include BSC 380, 380L; CHE 404, 410, 421, 421L, 423, 431, 431L, 441, 451; GER 101, 102, 201, 202; RUS 101, 102, 201, 202; MAT 236, 385; MGT 300, 364; PHY 361; PSC 191, 291, 301, 301L, 302, 302L, 412.
**Chemistry electives to be selected from CHE 231, 404, 410, 421, 421L, 422, 422L, 423, 431, 431L and 451.

REQUIREMENTS FOR AN ACS CERTIFIED MAJOR IN CHEMISTRY

This emphasis is certified by the Committee on Professional Training of the American Chemical Society. The mathematics and science courses must be taken in the sequences indicated.

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
FN 167	1
HIS 101, 102	6
MAT 103 or 128, 178	8
PED 105	1
Speech Communication Core	3
	33

SOPHOMORE YEAR	SEM. HRS.
CHE 255, 255L, 256, 256L	9
Fine Arts Core	3
MAT 179, 385	8
PHY 201, 201L, 202, 202L	10
Elective*	3
	33

JUNIOR YEAR	SEM. HRS.
CHE 311, 311L, 461, 461L, 462, 462L	13
CSS 240 or 330	3
ENG 333	3
Social Science Core	6
Electives*	6
	31

SENIOR YEAR	SEM. HRS.
CHE 400, 411, 411L, 421, 421L, 431, 431L, 432	17
CHE 494 or 496	3
ENG 203	3
Electives*	9
	32

TOTAL: 129

*Recommended electives include CHE 404, 410, 423, 441, 451, 496L; CSS 340; GER 101, 102, 201, 202; RUS 101, 102, 201, 202; BSC 470; GLY 101; INT 301; MAT 326, 430; MGT 300, 364; PSC 191, 291, 301, 302, 341L, 342L, 412.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY

Biochemistry Emphasis

FRESHMAN YEAR	SEM. HRS.
BSC 110, 110L, 111, 111L	8
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
MAT 101, 103	6
PED 105	1
Speech Communication Core	3
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 380, 380L	4
CHE 255, 255L, 256, 256L	9
FN 167	1
HIS 101, 102	6
MAT 314 or 178	3-5
PHY 111, 111L, 112, 112L	8
	31-33

JUNIOR YEAR	SEM. HRS.
BSC 370, 370L	4
CHE 311, 311L, 421, 421L, 422, 422L	13
CSS 240 or 330	3
ENG 333	3
Fine Arts Core	3
Life Science Elective*	4
Social Science Core	3
	33

SENIOR YEAR	SEM. HRS.
BSC 486, 486L	4
CHE 361 or 461, 461L, 494 or 496	7
Chemistry Electives**	4
ENG 203	3
Social Science Core	3
Electives	11
	32

TOTAL: 128-130

*Life Science electives may be any 300-400 level Biological Sciences Courses; electives recommended for pre-professional students: BSC 361, 410, 451, 454, 460, 461, 463, 465, 475, 481 including laboratories where offered; electives recommended for students planning careers in Biochemistry: BSC 431, 450, 451, 452, 453, 454, 460, 462, 464, 475, 476, 477, 481, 484, 487, 488 including laboratories where offered.

**Chemistry electives to be selected from CHE 231, 400, 404, 410, 411, 411L, 423, 431, 431L, 441, 451, 462, 462L; TOX 470.

COMMON REQUIREMENTS FOR A MAJOR IN CHEMISTRY (SECONDARY EDUCATION DEGREE)

Students interested in science teaching certification are referred to the Department of Science Education.

Requirements for a Minor in Chemistry

Students minoring in Chemistry must complete eighteen (18) hours of chemistry courses including CHE 101, 101L, and 102, 102L (or their equivalents) but excluding CHE 100, 104, 104L, 251, 251L.

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS

James E. Miller, Chair
Hattiesburg, MS 39406-5106
(601) 266-4949

A. Ali, D. Ali, Bisland, Burge, Burgess, D. Carter, Fiducia, Garraway, Gregg, D. Huch, D. Huffman, M. Krell, Nagurney, Reagan, Rimes, Seyfarth, Simmons, Verberkmoes

The Department of Computer Science and Statistics offers a flexible degree plan accredited by the Computing Sciences Accreditation Board. This program, offered under the CSC designation, allows students to select concentrations in specific areas such as Software Engineering, Data Base, Statistics or Operations Research. Graduates of this program are prepared to begin professional careers in computer science or to pursue graduate studies. Under the CSS designation, there are the statistics offerings and many courses which are primarily service courses to the University community. For information concerning the Master of Science degree in Computer Science, the Master of Science in Computer Science with an Emphasis in Computational Science, and the Doctor of Philosophy degree in Scientific Computing, please consult the **Graduate Bulletin.**

REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE*****

FRESHMAN YEAR	SEM. HRS.
Allied Arts, Art, Music or Theater	3
CSC 101, 101L, 102, 102L	8
FN 167	1
ENG 101, 102	6
HIS 101, 102	6
MAT 167, 168	6
PED 105	1
	31

SOPHOMORE YEAR	SEM. HRS.
CSC 203, 203L, 204, 204L, 205	11
Laboratory Science	8
MAT 169, 340	7
SCM 111	3
Social Science Core	6
	35

JUNIOR YEAR	SEM. HRS.
CSC 306, 306L, 307, 308, 309	13
Electives*	7
ENG 203	3
MAT 320 or CSS 415	3
Science	6
	32

SENIOR YEAR	SEM. HRS.
CSC Electives**	9
Electives*	9
Technical***/CSS/CSC Electives	12
	30
TOTAL:	128

*A minor consists of a minimum of eighteen (18) hours. Suggested minors include the following: electronics engineering technology, computer engineering technology, business administration, mathematics, or physics.
**The selection of CSC 400-level electives must include either CSC 413 or CSC 415. A student may take both courses.
***Suggested technical electives are MAT 326, 437, 439, 460; PHY 327, 327L, 328, 328L, 421, and 422.
****Students should take the Advanced Graduate Record Examination in Computer Science during the senior year and have the scores forwarded to the department.
*****A grade of C or better is required on all courses counted toward the computer science major.

Requirements for an Emphasis in Statistics**

FRESHMAN YEAR	SEM. HRS.
CSS 100, 240	6
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
Music, Allied Arts or Theatre	3
PED 104 and FN 167	2
Social Science Core	3
	32

SOPHOMORE YEAR	SEM. HRS.
CSS 320, 330, 340	9
ENG 203	3
Laboratory Science	8
MAT 167, 168, 169, or 178, 179	10
Social Science Core	3
	33

JUNIOR YEAR	SEM. HRS.
CSS 350, 415, 416, 422, 490	13
MAT 280, 320, 326, 340	12
Science	3
SCM 111, 305 or 320	3
	31

SENIOR YEAR	SEM. HRS.
CSS 417, 418, 425, 435	12
Electives	14
INT 302	3
Science	3
	32
TOTAL:	128

*Students may select a subject other than Mathematics for a minor. The minor consists of eighteen (18) hours. Suggested minors include the following: accounting, electronics engineering technology, geography, or physics.
**A grade of C or better is required on all courses counted toward the computer science major.

DEPARTMENT OF GEOLOGY

Daniel A. Sundeen, Chair
Hattiesburg, MS 39406-5044
(601) 266-4526

Asper[1], Bowen, Brunner[1], C. Cameron, D. Dunn, Meylan, Otvos[2], Patrick, Russell, L. Smith[3]

[1]Department of Marine Science, [2]Gulf Coast Research Laboratory, [3]U.S. Army Engineer Waterways Experiment Station.

Students may major in Geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, environmental studies, and other allied occupations. A Bachelor of Science and graduate work through the master's degree are offered in the department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available), mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing or similar courses in drafting and typing.

Transfer Preparation. Students transferring into Geology from other programs or institutions should note the prerequisites for upper-level geology courses. GLY 101, 101L should be taken no later than the summer preceding the junior year to avoid graduation delay.

COMMON REQUIREMENTS FOR A MAJOR IN GEOLOGY

For the Bachelor of Science in Geology, the following courses, in addition to the requirements of the University Core and the College of Science and Technology, are required:

REQUIRED CURRICULUM FOR GEOLOGY MAJORS

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L	4
CHE 102, 102L	4
ENG 101, 102	6
FN 167	1
GLY 101, 101L	4
GLY 103, 103L	4
Humanities and Fine Arts	3
MAT 101, 103	6
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 110, 110L	4
CSS 240 or 330	3
GLY 301, 301L	4
GLY 304, 304L	4
Humanities and Fine Arts	3
MAT 178, 179*	8-10
PED 105	1
Social and Behavioral Sciences	3
	30-32

JUNIOR YEAR	SEM. HRS.
GLY 308, 308L	4
GLY 310, 310L	3
GLY 311**	6
GLY 341, 341L	4
GLY 380	2
Humanities and Fine Arts	6
PHY 201, 201L	5
PHY 202, 202L	5
Speech Communication	3
	38

SENIOR YEAR	SEM. HRS.
GLY 401	3
Geology: Elect three courses with 400-level numbers	9
Electives	17
Social and Behavioral Sciences	3
	32

TOTAL: 132-134

*A course in Statistics may be substituted for MAT 179. Students seeking careers in geophysics or hydrology and/or intending to pursue advanced studies should elect MAT 179, Statistics, PHY 201/201L, and PHY 202/202L.
**Summer Field Camp; to be taken after junior or senior year.

The requirement for field geology may be met by taking summer geology courses offered at marine stations, such as the Gulf Coast Research Laboratory in Ocean Springs, Mississippi, if the student demonstrates extenuating circumstances and upon approval by the Geology Department faculty.

Requirements for a Minor in Geology

Students seeking a Geology minor must complete eighteen (18) hours as follows: GLY 101, 101L, 103, 103L and ten (10) additional hours of geology courses.

Preparation for Secondary Education, General Science Teaching

Students interested in science teaching certification are referred to the Department of Science Education.

DEPARTMENT OF MATHEMATICS

Wallace Pye, Chair
Hattiesburg, MS 39406-5045
(601) 266-4289

L. Bell, Betounes, D.J. Caveny, B.J. Davis, Ding, Doblin, Dunigan, Entrekin, Essary, Fay, Giovannitti, Hornor, R.W. King, McDowell, Piazza, Putthoff, Redfern, Smith, Stuart, J. Thrash, K. Thrash, Walls, P. Webster

The Department of Mathematics offers a flexible curriculum for baccalaureate degrees, so that individual students may tailor their university mathematics programs to fit specific educational and career objectives. The Bachelor of Arts and Bachelor of Science degrees in mathematics provide sound foundations for a broad latitude of careers in education, industry, business and government. Most of today's challenging careers call for continuing education beyond the bachelor's degree, and an undergraduate major in mathematics provides a versatile avenue for preparing for advanced studies in a number of fields, including mathematics, computer science, statistics, management science, actuarial science, mathematics education,

engineering, applied mathematics, law, and medicine. The Department of Mathematics offers the Master of Science degree, and, in cooperation with the College of Education and Psychology, the coursework to support the Master of Education, the Specialist, the Doctor of Education, and the Doctor of Philosophy degrees. For information concerning degrees beyond the bachelor's degree, please consult the **Graduate Bulletin.**

Students who have completed a college preparatory program in high school should begin their university mathematics programs with MAT 167 or 178. Students without this background should elect appropriate mathematics courses in consultation with their academic advisers. Mathematics majors should take MAT 340 and 326 concurrently with some of the calculus courses. Mathematics majors can receive advanced mathematics elective credit only for those 400-level courses taken after having successfully passed MAT 340 and 326 with a grade of C or better. Those mathematics majors seeking secondary teacher certification can substitute MAT 316 for MAT 326. Mathematics majors may **not** enroll in the courses MAT 112, 136, 137, 210, 310, 312, or 314, which are designed to serve the special interests of students in other departments and colleges. Mathematics majors must include PHY 201 in their programs and cannot use the Fundamentals of Science courses to fulfill their science requirements. The mathematics faculty recommends that all majors include PHY 202 in their programs, and that they obtain two-year proficiency in one of the following languages: French, German, Italian, Russian.

The curriculum of the Department of Mathematics is designed to meet the following objectives:

(1) prepare students for industrial or commercial employment;
(2) prepare students to teach secondary school mathematics;
(3) prepare students for graduate study in mathematics and related fields;
(4) provide supportive courses for other degree programs in the University.

Each student, in consultation with a faculty adviser, should elect the mathematics options that are compatible with his/her career objectives.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS*

FRESHMAN YEAR	SEM. HRS.
Computer Science**	6
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science***	8-10
MAT 178, 179 (or 167, 168)	6-10
	32-38

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
FN 167	1
Humanities and Fine Arts Core	3
MAT 280, 326, 340 (or 169, 280, 326, 340)	9-13
Minor	3
PED 105	1
Science (to complete total of 14 hrs.)	4-6
SCM 111, 305, 320, or 330	3
Social and Behavioral Sciences Core	6
	33-39

JUNIOR YEAR	SEM. HRS.
Electives	9-15
MAT 385	3
Mathematics****	9
Minor	9
	30-36

SENIOR YEAR	SEM. HRS.
Electives	9-15
ENG 333	3
Mathematics****	6
Minor	6
	24-30

TOTAL: 128

*Only those mathematics and computer science courses in which a student makes a grade of C or better will count toward the mathematics major.

**To be selected from among CSS 240, 330, 340, 342, 402.

***Must include PHY 201, but not to include Fundamentals of Science courses.

****To be selected from among MAT courses numbered 320, or above 400, but not to include MAT 316, 370, 410 or 481. Must include 415, or 426 or at least one of the following two-course sequences: 320-420, 418-419, 423-424, 430-431, 441-442, 460-461, 475-476, 485-486. The faculty urges all students to complete a second two-course sequence.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS WITH PROVISIONAL SECONDARY TEACHER CERTIFICATION*

FRESHMAN YEAR	SEM. HRS.
Computer Science**	6
ENG 101, 102	6
HIS 101, 102	6
Laboratory Science***	8-10
MAT 178, 179 (or 167, 168)	6-10
	32-38

SOPHOMORE YEAR	SEM. HRS.
ENG 203	3
FN 167	1
Fine Arts Core Elective	3
MAT 280, 316 or 326, 340 (or 169, 280, 316 or 326, 340)	9-13
PED 105	1
PSY 110	3
Science	3-4
SCM 111, 305, or 330	3
Social and Behavioral Sciences Core	6
	32-37

JUNIOR YEAR	SEM. HRS.
CIS 313	3
MAT 320, 370, 385, and 423	12
PSY 374	3
REF 400, 469	6
Science (to complete a total of 14 hrs.)	3-4
SPE 400	3
	30-31

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476, 487	17
ENG 332 or 333	3
MAT 457	3
MAT 481	3
Mathematics****	6
	32
TOTAL:	128

*Only those mathematics and computer science courses in which a student makes a grade of C or better will count toward the mathematics major.

**To be selected from among CSS 240, 330, 340, 342, 402.

***Must include one biological and PHY 201/201L.

****To be selected from among MAT courses numbered above 400, but not to include MAT 410. Must include MAT 415, or 426 or at least one of the following two-course sequences: 320-420, 418-419, 423-424, 430-431, 441-442, 460-461, 475-476, 485-486. The faculty urges all students to complete a second two-course sequence.

Requirements for a Minor in Mathematics

Any six courses (18 hours) that count toward the major in Mathematics will satisfy the requirements for a minor in Mathematics. That is, those courses which do not count toward the mathematics major are specifically excluded from the mathematics minor. A suggested minor is eighteen (18) hours of the following courses: MAT 167, 168, 169, 280 or MAT 178, 179, 280; MAT 326, 340; and MAT 320, 385, or any MAT course numbered above 400 (excluding MAT 410).

Students seeking a minor in mathematics are encouraged to consult a faculty adviser in the Department of Mathematics.

DEPARTMENT OF MEDICAL TECHNOLOGY

M. Jane Hudson, Chair

Hattiesburg, MS 39406-5134

(601) 266-4908

Beck, Goodwin, Hall, Lux, Myers

A student majoring in the Department of Medical Technology must complete courses outlined for the freshman, sophomore, and junior years and must contact the Department regarding criteria for successful academic progression. During the junior year, the student will apply to the department for admission into the senior year. A minimum overall and science GPA of 2.3 is required before application can be reviewed. A list of science courses used to calculate the science GPA is available in the departmental office. When qualified applicants exceed class size, selection will be based upon GPA. The fourth year consists of two phases: Phase I, a six-month didactic session on The University of Southern Mississippi campus; and Phase II, a six-month clinical session at one of the affiliated hospitals.

Affiliated Hospitals

Forrest General Hospital: Norris, Williams

Gulf Coast Community Hospital: Daniels, Sachitano

South Central Regional Medical Center: Cain, Hutchins

Memorial Hospital at Gulfport: Barnes, Gandour

Singing River Hospital: Holland, Magee

The Department of Medical Technology is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association through the National Accrediting Agency for Clinical Laboratory Sciences. Upon successful completion of the program, students receive the Bachelor of Science degree in Medical Technology and become eligible to take national certifying examinations given by recognized certifying agencies. The following curriculum will satisfy requirements of the College of Science and Technology and of the Department of Medical Technology.

REQUIREMENTS FOR A MAJOR IN MEDICAL TECHNOLOGY

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
ENG 101, 102	6
Fine Arts	3
FN 167	1
HIS 101, 102	6
MAT 101, 103, 312, or 314	6
MTC 101	1
	31

SOPHOMORE YEAR	SEM. HRS.
BSC 250, 250L, 251, 251L	8
BSC 380, 380L	4
CHE 251, 251L, 321, 321L	8
ENG 203	3
PED 105	1
Social or Behavioral Science	6
	30

JUNIOR YEAR	SEM. HRS.
BSC 486, 486L	4
CSS 211, ECO 301, or PSY 360	3
CSS 240, 330, or 400	3
MTC 302, 302L, 306, 306L, 309, 309L, 400, 400L	18
SCM 111, 305, 320, or 330	3
	31

SENIOR YEAR	SEM. HRS.
Phase I	
MTC 401, 402, 403, 405, 406, 407, 408, 409, 412	32
Phase II	
MTC 451, 452, 456, 457, 458, 459	16
	48

Regardless of courses taken previously, if English is not the native language of any student, evidence of English proficiency must be provided prior to admission into the senior year. The MTELP (Michigan Test of English Language Proficiency) requirement is "Proficiency II" and is preferred by the department. Alternately, a TOEFL of 550 may be accepted.

For information on the Master of Science degree, please consult the **Graduate Bulletin.**

DEPARTMENT OF PHYSICS AND ASTRONOMY

William E. Hughes, Chair

Hattiesburg, MS 39406-5046

(601) 266-4934

Eleuterius, Folse, Lee, Mauritz, Mead, Messer, Pandey, Rayborn, Whitehead

The primary objectives of the Department of Physics are to provide students with sufficient basic information and technical skills in the various areas of physics so that they may be qualified to serve as teachers in secondary schools, serve as physicists in government or industry, or pursue professional work and graduate study in physics.

The department offers programs of study leading to the Bachelor of Science degree in Physics and the Master of Science degree in Physics. Information relating to the MS degree may be found in the **Graduate Bulletin.**

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the Physics Department Office. Students planning to major or minor in physics should obtain these leaflets as soon as possible.

All physics majors are expected to perform research.

It is assumed that the high school mathematical preparation of entering freshman physics students includes algebra, geometry, and trigonometry.

REQUIREMENTS FOR A MAJOR IN PHYSICS

FRESHMAN YEAR	SEM. HRS.
ENG 101, 102	6
FN 167	1
MAT 178, 179	10
PED 105	1
PHY 201, 201L, 202, 202L	10
Social and Behavioral Science	6
	34

SOPHOMORE YEAR	SEM. HRS.
CHE 101, 101L, 102, 102L	8
CSS 240	3
Humanities and Fine Arts	6
MAT 280	3
PHY 361, 361L, 350, 351	10
Speech Communication	3
	33

JUNIOR YEAR	SEM. HRS.
CSS 330	3
Humanities and Fine Arts	6
MAT 385, 415	6
Mathematics Elective	3
PHY 327, 327L	4
PHY 421 or 461	3-5
PHY 422 or 332	3-5
Physics Elective	3
	31-35

SENIOR YEAR	SEM. HRS.
General Elective	3
MAT 430, 431	6
Mathematics Electives	6
PHY 422 or 332	3-5
PHY 421 or 461	3-5
PHY 460	2
Physics Elective	6
	29-31
TOTAL:	129

Requirements for a Minor in Physics

The Undergraduate Laboratory and Curriculum Committee of the Department of Physics and Astronomy recommend that a student desiring a minor in Physics take any courses totaling at least twenty (20) hours in the physics curriculum with the exception of the following courses: PHY 103, 328, 392, 410, 435, 446, 451, 455, 460, 471, 485 and 499.

PHYSICS REQUIREMENTS FOR SECONDARY EDUCATION TEACHERS

(Secondary Education Degree)

Students interested in science teaching certification are referred to the Department of Science Education.

DEPARTMENT OF POLYMER SCIENCE

Roger D. Hester, Chair

Hattiesburg, MS 39406-0076

(601) 266-4868

Byxbe, J. Bowers, Griffin, Hoyle, Lochhead, McCormick, Mathias, Mauritz, R.B. Moore, Porter, Seymour, Storey, Thames

The Department of Polymer Science offers programs of study leading to the degrees of the Bachelor of Science in Polymer Science, the Master of Science in Polymer Science, and the Doctor of Philosophy in Polymer Science. The Department was awarded Commendation status by the Board of Trustees in 1983 as a result of state-wide five year program review. For information concerning the master's and Doctor of Philosophy degrees, see the **Graduate Bulletin.**

BACHELOR OF SCIENCE IN POLYMER SCIENCE

The objective of this curriculum is to prepare the graduate to enter the industrial community or to continue his or her studies at the graduate level. The Bachelor of Science in Polymer Science constitutes an interdisciplinary program of study and, therefore, no minor is required.

REQUIREMENTS FOR A MAJOR IN POLYMER SCIENCE

FRESHMAN YEAR	SEM. HRS.
CHE 101, 101L; 102, 102L	8
CSS 240 or 330	3
ENG 101, 102	6
HIS 101, 102	6
MAT 167, 168	6
PED 105	1
PSC 191	2
	32

SOPHOMORE YEAR	SEM. HRS.
CHE 255, 255L; 256, 256L	9
FN 167	1
Fine Arts Elective	3
MAT 169, 385	7
PHY 201, 201L; 202, 202L	10
PSC 291	2
Social Science Elective	3
	35

JUNIOR YEAR	SEM. HRS.
ENG 203	3
INT 301	3
PSC 301; 302; 341L; 342L; 360; 361, 361L	18
PSC 450	4
Social Science Elective	3
Technical Elective	3
	34

SENIOR YEAR	SEM. HRS.
PSC 401; 402; 410; 470, 470L; 480; 490, 490L; 491, 491L	23
Speech Communication	3
Technical Elective	3
	29
TOTAL:	130

Requirements for a Minor in Forensic Science

Students pursuing a minor in Forensic Science must complete a minimum of eighteen (18) hours of FSC courses numbered 300 or above including FSC 340, 340L, 341, and 341L.

DEPARTMENT OF SCIENCE EDUCATION

Including Fundamentals of Science

Bobby N. Irby, Chair
Hattiesburg, MS 39406-5087
(601) 266-4739

Bellipanni, F. Brown, I. Brown, Cotten, Milkent, J.R. Moore, Sonnier, Villavicencio-Hairston

The Department of Science Education is operated jointly by the College of Science and Technology and the College of Education and Psychology. The facilities are in the College of Science and Technology. Programs in teacher-education are in the College of Education and Psychology. Responsibility for the curriculum is shared jointly. Graduate programs are described in the **Graduate Bulletin.**

Objectives

The objectives of the Department of Science Education are: (1) to provide those courses in both the physical and biological sciences which would give a minimum degree of scientific literacy to all students; (2) to provide, in cooperation with the Department of Curriculum and Instruction, a curriculum in the sciences and science methods for elementary school teachers; (3) to provide programs for those students planning to teach the sciences at the secondary school level; (4) to provide programs leading to advanced degrees in science education; and (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Department of Science Education is primarily concerned with teachers and prospective teachers of science. Although some students will be planning to teach a specific science discipline, current public school organization encourages diversification of training in the

sciences for prospective science teachers. Therefore, familiarity with principles and concepts common to all the scientific disciplines should be a prerequisite for teacher training programs in science education. Hence, programs in science education are so organized as to give teachers and prospective teachers a broad understanding of several sciences, with the opportunity for enough specialization in one area to pursue advanced study.

All prospective science teachers at the junior and senior high school levels are expected to complete introductory courses in the four basic science areas—biology, chemistry, geology, and physics. One year of college mathematics is also required. With few exceptions, the first mathematics course would deal with analytical geometry.

Students will elect a specialty area of biological sciences, chemistry/physics, or general science. Upon completion of the undergraduate program, students choosing a specialty area of biology or chemistry/physics will be certified in that specialty as well as in general science. Students specializing in general science may certify in one of the other specialties by satisfactorily completing the NTE in that area. A general outline of the program is given below:

REQUIREMENTS FOR A MAJOR IN SCIENCE EDUCATION

Biological Sciences Specialty

FRESHMAN YEAR	SEM. HRS.
AA 100	3
BSC 110, 111	8
Computer Science (exclude 100)	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 201, 226	6
BSC 370	4
CHE 101, 102	8
FN 167	1
GHY 325	4
MAT 314	3
PED 105	1
PHY 111	4
PSY 110	3
SCM 111	3
	37

JUNIOR YEAR	SEM. HRS.
Biological Science (elect above 300)*	6
BSC 380	4
CHE 251	4
ENG 332	3
PSY 374	3
REF 400	3
REF 469	3
Science Education Electives	6
SPE 400	3
	35

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
ENG 203	3
GLY 101	4
SCE 470	3
SCE 460, 486	15
Social Science	6
	36
TOTAL:	140

*May include SCE 456 or 457.

Chemistry/Physics Specialty

FRESHMAN YEAR	SEM. HRS.
AA 100	3
CHE 101, 102	8
Computer Science (exclude 100)	3
ENG 101, 102	6
HIS 101, 102	6
MAT 101, 103	6
	32

SOPHOMORE YEAR	SEM. HRS.
BSC 100, 111	8
CHE 251	4
FN 167	1
GHY 325	4
GLY 101	4
PED 105	1
PHY 111, 112	8
PSY 110	3
Social Science	6
	39

JUNIOR YEAR	SEM. HRS.
CHE 311	5
ENG 203	3
GLY 103	4
MAT 314	3
PHY 361	4
PSY 374	3
REF 469	3
Science Education Electives	6
SCM 111	3
	34

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
ENG 332	3
Physics Elective (300 or above)	4
REF 400	3
SCE 460, 486	15
SPE 400	3
	33
TOTAL:	138

General Science Specialty

FRESHMAN YEAR	SEM. HRS.
Computer Science (exclude 100)	3
ENG 101, 102	6
FN 167	1
GLY 101	4
HIS 101, 102	6
MAT 101, 103	6
PED 105	1
PHY 111, 112	8
	35

SOPHOMORE YEAR	SEM. HRS.
AA 100	3
BSC 110, 111	8
CHE 101, 102	8
GLY 103	4
PSY 110	3
SCM 111	3
Social Science	6
	35

JUNIOR YEAR	SEM. HRS.
AST 111	4
ENG 203	3
ENG 332	3
GHY 323	3
MAT 314	3
REF 469	3
Science Education Electives	6
Science or Science Education Elective (300 or above)	3
	28

SENIOR YEAR	SEM. HRS.
CIS 474, 475, 476	5
GHY 325	4
PSY 374	3
REF 400	3
SCE 460, 486	15
SPE 400	3
	33
TOTAL:	131

The scope of the science education program and the fact that many courses run in sequence and are offered at particular times of the year necessitate careful and frequent advisement of students. It cannot be over-emphasized that students should consult with their assigned adviser each semester. Failure to do so will most often result in unnecessary delays and hardships in completing the program.

The above program provides a broad background and some depth in all science areas, gives the prospective teacher an opportunity for considerable depth and specialization in one science area, and requires the necessary background courses in professional education for effective teaching.

Students in the College of Science and Technology and in the College of Education and Psychology can major in science education and minor in secondary education. The program as outlined above for science teachers meets the certification requirements in the areas of biological, chemistry/physics, and general science.

Requirements for a Minor in General Science

The multidisciplinary General Science minor requires twenty-seven (27) hours from two or more appropriate fields (biological science, chemistry, computer science, geology, mathematics, and physics) with at least eight (8) hours from each field included.

Does not meet teacher certification requirements.

FUNDAMENTALS OF SCIENCE

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines. The FS 104 series are non-laboratory courses and will not meet laboratory science core requirements.

Inasmuch as there is overlapping and duplication in these courses and those offered by various other science departments, the student should read carefully the limitations for each of the Fundamentals of Science courses. Any questions should be answered by the student's adviser and/or the Department of Science Education prior to enrolling in these courses since they may be taken in any sequence the student chooses.

The FS 131 series are laboratory courses designed to meet core requirements for elementary education and special education majors. Laboratory (1 hr.) must be taken concurrently with lecture (3 hrs.).

HONORS COLLEGE

Maureen Ryan, Dean
Hattiesburg, MS 39406-5162
(601) 266-4533

Honors education was first organized at the University in 1965 as an Honors Program, and in 1971 was named in honor of George R. Olliphant. The Honors College, established in 1976, includes the George R. Olliphant Honors Program, providing students of superior academic ability with a broadly-based undergraduate education. Its aim is to identify, encourage, and reward academic excellence in all fields and to serve students with varying academic interests. In many respects, the education offered through the Honors College may best be described as that of a small liberal arts college set within a large comprehensive university, with students encouraged to draw freely from both the college and the university. Students in the Honors College have access to small Honors classes, outstanding professors, special scholarships, and opportunities for independent study and special activities.

The curriculum of the Honors College comprises two phases: the General Honors Program for freshmen and sophomores and the Senior Honors Program for juniors and seniors. To enter the College as freshmen, students compete with other applicants on the basis of high school grades, scores on the American College Test (or Scholastic Aptitude Test), detailed evaluations by two high school teachers and their principal or guidance counselor, and an essay. Students may also be asked to come to the campus for a personal interview. Successful completion of General Honors will be cited on the student's transcript and diploma.

Following is a brief description of the Honors College requirements and curriculum. For more specific details, students and advisers are urged to consult the **Honors College Handbook,** which is issued annually.

GENERAL HONORS

Freshmen admitted to General Honors complete the curriculum listed below. In satisfying the General Honors requirements, students thereby fulfill the University General Education requirements. For most students, completion of General Honors will also fulfill the core requirements of their majors. Some students, however, may have to take additional core courses required specifically for their major. Students undertaking General Honors are required to complete at least 26 hours in Honors courses and departmental Honors sections, taking six or more hours of Honors course work each semester. Students are in good standing as long as they remain on track and maintain a minimal 3.0 overall average; they must graduate with at least a 3.0 average in order to receive General Honors recognition at graduation.

HONORS COLLEGE GENERAL EDUCATION REQUIREMENTS

	HOURS
I. Reasoning and Communication Skills	
Honors students who complete HON 111, 112, 211, and 212 are exempt from the University General Education requirement for English Composition (ENG 101, 102). Students with AP, CLEP, or other college credit for ENG 101, 102 may apply this credit as elective hours toward their degrees.	
Mathematics	3
Required: 167, 178, 312, or 314, preferably in Honors sections as offered*	
Communications	3
Required: SCM 111, 305, 320 or 330, preferably in Honors sections as offered.	
University Forum: Honors 321, 322	2-4
Recommended: 4 hours. Required: 2 hours.	
II. Humanities and Fine Arts	
Fine Arts	3-6
Recommended: 6 hours total in AA 100, ART 130, DAN 107, MUS 365, THE 100, or other upper level fine arts history or appreciation courses, in Honors sections as offered. Required: 3 hours.	
World Literature, History and Philosophy	14
Required: 14 hours total in Honors 111, 112, 211, 212 (Honors Colloquium: World Thought and Culture). These courses replace HIS 101, 102; ENG 203; and PHI 151 or a Humanities elective.	
Foreign Language	0-12
Recommended: second-year proficiency. Required: *either* two years of a single language in high school with GPA or B or better *or* 6 hours university credit.	

III. Social and Behavioral Sciences
Recommended: 9 hours total, in Honors sections as offered, with no more than 3 hours from any one discipline, in ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314; ECO 200, 201; PSY 110, 375. Required: 6 hours 6-9

IV. Natural and Applied Sciences
Laboratory Sciences 8
Required: 8 hours total. Recommended: Honors Biology 110/110L; 111/111L; Honors Chemistry 101/101L; or other Honors sections as offered. See list of laboratory sciences in General Education Curriculum.
Elective. Required: 3 hours total, preferably in Honors sections as offered. See Category IV electives (including mathematics) in General Education Curriculum..... 3

V. Human Wellness
Required:
Food and Nutrition, FN 167, preferably in Honors sections 1
Health and Physical Fitness, PED 105, preferably in Honors sections..... 1
44

Note: The recommended core is 52-64 hours; the minimum core, however, is 44 hours, 26 of which must be taken in Honors courses and departmental Honors sections. Honors College students may also have to take additional core courses required specifically for their major.

*Students who have to take more than 3 hours of prerequisite mathematics may petition the Dean of the Honors College to satisfy this requirement with a total of 6 hours of mathematics (MAT 101 and above).

REQUIREMENT FOR GRADUATION WITH GENERAL HONORS

1. Completion of Honors College General Education minimum requirements.
2. Completion of a minimum of 26 of the General Education hours in Honors courses and departmental Honors sections.
3. Overall minimal GPA of 3.0 at graduation.

TYPICAL SCHEDULE FOR MEETING GENERAL HONORS REQUIREMENTS IN THE FIRST TWO YEARS

FRESHMAN YEAR	SEM. HRS.
Fine Arts	3
FN 167	1
Foreign Language	0-6
HON 111, 112	8
HON 321, 322	1-2
Laboratory Science	4
MAT 167, 178, 312, or 314	3-5
Social Science	3
	23-32

SOPHOMORE YEAR	SEM. HRS.
Communications	3
Foreign Language	0-6
HON 211, 212	6
HON 321, 322	0-2
Laboratory Science	4
Mathematics/Science Elective	3
PED 105	1
Social Science	3
	20-28

SENIOR HONORS

To enter the Senior Honors curriculum, the student must either complete General Honors with a minimum GPA of 3.0 or meet the following admission requirements: (1) a grade point average of 3.5 on at least 40 hours, (2) recommendations from two professors, (3) an essay, and (4) approval by the student's major department. Students must maintain a GPA of 3.25 to remain in Senior Honors. Those students entering from General Honors with a 3.0 GPA will have until the end of the first semester of their junior year to raise their GPA to 3.25. Students completing Senior Honors with the required GPA will receive the special recognition denoted by the Latin designations, **summa cum laude** (3.8 or higher overall average); **magna cum laude** (3.50-3.79); or **cum laude** (3.25-3.49). Students will typically apply for Senior Honors during their sophomore year and, if admitted, begin the first semester of their junior year. The Senior Honors curriculum offers students opportunities for independent study in their major, for small seminars on a wide range of topics, and for scholarship assistance.

SENIOR HONORS CURRICULUM

The Senior Honors curriculum is designed to accomplish two objectives: (1) to continue the process begun through the General Education curriculum of broadening the student's knowledge and intellectual interests, and (2) to give the student the opportunity to develop a greater understanding of the goals and methods of his or her major discipline by completing a Senior Honors project under the direction of a professor in his or her major department. The student in Senior Honors is thus required to enroll in two topical Honors Seminars outside the major (HON 403); the University Forum (HON 321, 322); Prospectus Writing (HON 301), in which the student plans the Senior project; and in a research course in his or her major for completion of the Senior project.

HONORS COLLEGE SENIOR HONORS REQUIREMENTS

HON 321, 322*	0-2
HON 301 (Prospectus Writing)	1
HON 403 (Honors Seminar, to be taken outside the major)	3
HON 403 (411, Honors Directed Study or 499, British Studies)**	3
Senior Thesis (H492 or other departmental research course in the major)***	3
Comprehensive Examination in the Major	
	10-12 hrs.

*Students who have completed 4 hours of HON 321, 322 in General Honors are exempt from this requirement.
**With permission of the Dean of the Honors College, students may substitute 411 or 499 for 3 hours of HON 403.
***The Senior project must be done in the area of the student's major unless specific approval is given by the Dean of the Honors College for a project in the area of the minor.

REQUIREMENTS FOR GRADUATION WITH SENIOR HONORS

1. Completion of 12 hours in Senior Honors courses, including senior project.
2. Successful completion of comprehensive examination
3. Overall GPA of 3.25 or better at graduation

TYPICAL SCHEDULE FOR MEETING SENIOR HONORS REQUIREMENTS

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
HON 321	1	HON 322	1
HON 301	1	Senior Research in Major	3
HON 403	3		
HON 403 (411 OR 499)	3		
	8		4

SENIOR HONORS RESEARCH

The Senior Honors project involves two phases, the prospectus and the project itself. The prospectus should be presented nine months prior to graduation; guidelines for the prospectus may be obtained from the Honors College Office. The project should reflect significant individual effort that may involve library research, laboratory research, or field research. The project should conform to accepted scholarly procedure within the discipline of the major field. The project may be creative, but a creative project must be executed within the framework of accepted scholarly procedure. That is, a student who produces a creative effort should introduce that effort by adequate discussion of the nature of the creative form involved, including an indication of familiarity with other examples of that form. Any doubts as to the validity of a proposed project should be resolved in discussion among the project director, the chair of the student's major department, and the Honors Dean. Directions for the format of the senior project may be secured from the Honors College Office. Graduating students are expected to present their research in a public senior symposium during the spring semester.

The comprehensive examination must be taken no later than four weeks before the student is scheduled to graduate. The examination may be either written or oral, at the option of the major department. The exact nature of the examination is a matter for decision by the department involved, but there are general guidelines:

(1) The examination should be designed so that it can be completed in a maximum of three hours.

(2) The examination should test the candidate's general knowledge of the field of the major rather than specialized information about some particular aspect of the major.
(3) The examination should be uniform for all candidates within a particular semester.
(4) It is the responsibility of the student to contact the department chair and request that the comprehensive examination be designed and administered. These arrangements should be made one semester in advance.
(5) A student who does not pass the examination upon the first attempt may repeat it once.

Graduation Recognition

A student may graduate with General Honors and/or Senior Honors in the Honors College. Senior Honors will be denoted by the Latin designations, **cum laude** (GPA of 3.25-3.49), **magna cum laude** (GPA or 3.50-3.79), and **summa cum laude** (GPA of 3.80 or higher).

Financial Assistance

Students enrolled in the Honors College may apply for financial aid through the Office of Financial Aid on the same basis as any other student. Scholarships available only to Honors students are listed below.

(1) **Presidential Scholarships:** Each year, the President of the University will designate a select group of Honors freshmen as Presidential Scholars. Applicants are expected to have high ACT scores, superior grades and proven leadership ability. The value of this award is equal to tuition, fees, and room and board for a four-year period. (The recipient will receive increments each semester.) Presidential Scholars are required to maintain at least a 3.25 GPA. **The Schillig-Baird Scholarships** and the **O.L. and Marie Sims Scholarship** are awarded from special endowments made available for Presidential Scholarships.

(2) **George R. Olliphant Scholarships:** Available to a selected number of deserving students enrolled in the Honors College.

(3) **Honors Scholarships:** Freshmen admitted to the Honors College are designated Honors College Scholars. Awards are based on an excellent record of achievement on the ACT (or SAT) and in high school classes, with attention to Honors, AP, and other rigorous courses successfully completed; high school and community activities; honors and achievements; counselor and teacher recommendations; and an essay. Freshman and sophomore Honors Scholars are required to maintain a GPA of at least 3.0. Students admitted to Senior Honors are also eligible for Honors College Scholarships. Juniors and seniors are required to maintain a GPA of at least 3.25. Honors scholarships are in the amount of $200 per semester for up to $1,600 for students completing both General and Senior Honors.

(4) **Travel Awards:** Special travel awards are available each summer for the British Studies Program sponsored by the University's Center for International Education.

THE UNIVERSITY FORUM

The University Forum is a special series of lectures and programs open to all students, faculty, and townspeople. It is sponsored each fall and spring by the University Honors College and features nationally-known speakers in a variety of fields. Students who attend the forum lectures and designated films, concerts, plays, and other activities may receive an hour of credit on a pass/fail basis by enrolling in HON 321 or 321. This course may be repeated for up to 8 hours of credit.

COLLEGE OF INTERNATIONAL AND CONTINUING EDUCATION

Tim W. Hudson, Dean

Billy R. Folkes, Director of Administration

In February, 1991, the Center for International Education and the Division of Lifelong Learning were combined to form the College of International and Continuing Education. An administrative entity under the Office of the Vice President for Academic Affairs, the College is operationally divided into the Center for International Education and Continuing Education.

CENTER FOR INTERNATIONAL EDUCATION

Southern Station Box 5151
Hattiesburg, MS 39406-5151

U.S.A.

(601) 266-4344

FAX (601) 266-5723

The Center for International Education administers all programs bringing international students to USM and coordinates all programs sending USM students abroad for academic credit. In addition, the Center strives to promote a spirit of internationalism on the USM campuses, to assist academic departments in the internationalization of curriculum, to encourage student, faculty, and library development in the international sphere, and to assist business and government in projects of an international nature.

The Center is comprised of three components: the English Language Institute, the Office of International Student Affairs, and the Office of International Programs.

English Language Institute

Shirley Bateman, Director

Southern Station Box 5065
Hattiesburg, MS 39406-5065

U.S.A.

(601) 266-4337

FAX (601) 266-5723

The English Language Institute (ELI), founded in 1947, provides intensive language instruction to international students wishing to learn English or to improve their knowledge of the language. Today, the Institute is among the oldest language institutes in the United States; since 1977, some 12,118 students from fifty countries have studied at the ELI.

The Institute's language programs are of two kinds, regular and specialized. The regular intensive program has five eight-week sessions each year affording students a cultural orientation, general assistance in adjusting to their new surroundings, and five levels of study. Classification tests, given on the first day of registration, determine the level at which a student is placed. Classes with emphasis in English grammar, vocabulary, writing, reading and listening/speaking are offered at every level, although the exact program varies slightly with students' needs as they progress. Progression from one level to another is based on a graded series of achievement tests and on faculty approval. The Michigan Test of English Language Proficiency is given at the end of each session to Levels III, IV, and V. In conjunction with this test, the ELI offers a composition test and a fluency test designed to measure a student's active language proficiency.

Students at levels III, IV, and V may choose part of their program of study. These elective classes include TOEFL Preparation, English for Business, and English for Science and Technology. Qualified advanced students may sit in on regular University classes.

In addition to classroom instruction, there are two language laboratories, one monitored for assigned classes and the other open to students who desire to improve their listening comprehension on an independent basis. There is also a conversational tutor program, which offers students an opportunity to use English informally with a native speaker. Activities such as homestays and professional visits are organized for those students who are interested. The Institute also offers the institutional TOEFL, and the staff of the Center for International Education affords students assistance in choosing and applying to colleges and universities.

The Institute employs professional educators with an average of ten years of teaching experience in English as a second language. All of the faculty are native speakers, 90 percent of them hold master's degrees, and many faculty members have traveled and studied abroad.

The English Language Institute is authorized under Federal law to enroll non-immigrant alien students between the ages of 17 and 70. Applicants are required to complete all items on the application form. Upon receipt and approval of a student's application, the Immigration Office of the Center for International Education will mail a certificate of eligibility (Form I-20) to the prospective student, thus enabling the student to apply for a Student Visa at the nearest United States Consulate. Information concerning travel to the USA may be obtained either from the English Language Institute or from airline offices or agents in the respective countries.

Office of International Student Affairs

Cathy Carucci, Director

Southern Station Box 5151
Hattiesburg, MS 39406-5151

U.S.A.

(601) 266-4841

FAX (601) 266-5723

The Office of International Student Affairs (ISA) coordinates all facets of international admissions and student services. The ISA provides counseling on immigration regulations, personal matters, culture shock and adjustment, as well as some academic counseling in conjunction with the various departments. The Office processes all international applications, evaluates foreign academic credentials and issues the appropriate immigration documents for the non-immigrant foreign student. Multi-cultural programming for the international students and the community is also coordinated by the ISA.

The ISA Office disseminates USM information to foreign schools, U.S. embassies/consulates abroad, and non-profit international organizations (such as the Institute for International Education).

This Office also provides information to and immigration documents for research scholars invited by various USM departments to participate in limited research opportunities.

Office of International Programs

Southern Station Box 5151
Hattiesburg, MS 39406-5151

U.S.A.

(601) 266-4344

FAX (601) 266-5723

The Office of International Programs administers a variety of programs providing USM students both long term and short term opportunities to study abroad for academic credit. Summer-term programs offering regular USM academic credit include:

The British Studies Program, a summer term in London in which USM functions as the academic and logistical linchpin for a nine-school consortium comprised of the University of South Alabama, Memphis State University, Georgetown College, Hinds Community College, Midwestern State University, East Texas State University, Auburn University-Montgomery, Northeast Louisiana University, and University of Arkansas-Little Rock.

The Austrian Studies Program in Vienna, Austria

The Australian Studies Program, Australia

The Caribbean Studies Program in Ocho Rios, Jamaica

The French Studies Program in Montpellier, France

The Mexican Studies Program in Cuernavaca, Mexico

The Japanese Studies Program in Tokyo, Japan

Other academic study abroad programs coordinated by the Office are:

A semester abroad exchange with the University of Victoria, Canada;

Year Abroad Exchange Programs with the University of Wales, Swansea, and the University of Bonn, Germany;

A Canadian Studies Program designed to facilitate faculty and student exchanges and to enhance Canadian course content; and

A student practice teaching program in England for education majors.

CONTINUING EDUCATION

USM Continuing Education has the responsibility of providing activities designed to meet the ever-changing needs and interests of our diverse population. Education is becoming increasingly known as a lifelong process for all ages. Through lifelong learning activities developed and coordinated by Continuing Education, participants of all ages and from all walks of life are brought together with highly trained University faculty and other resource people so that new information and ideas, solutions to common problems, better ways of utilizing leisure time, and new skills to be used on the job are developed and shared. These activities also provide a research data base for University faculty interested in studying a multitude of topic areas. Continuing Education uniquely serves the University by providing quality programs and services that meet the teaching, research, and service missions of the institution.

Programming

Sue Pace, Director
Southern Station Box 5056
Hattiesburg, MS 39406-5056
(601) 266-4210

Credit. Credit Programming has the responsibility of organizing and administering all credit intensive, weekend, intersession and extension (off-campus) courses as a part of the University's offerings for nontraditional students. This department works closely with the University's academic departments in developing these courses. Either academic credit or continuing education unit (CEU) credit may be awarded for a course, provided the activity is offered through an existing course number or is given prior approval by the appropriate university council. Specially designed courses that meet the specific needs of certain governmental, business, industrial, and educational groups can also be arranged.

Noncredit. Noncredit Programming maintains responsibility for a diversity of programming which serves as liaison between the University and the community. The department coordinates and administers the logistical details for all noncredit conferences, institutes, workshops, clinics, camps, short courses, and special training programs sponsored by the University. The department also provides convention and annual meeting coordination assistance to professional associations, fraternal organizations, and other education groups. Finally, the department offers the Listener's License Program to the community which enables individuals to utilize University resources by observation within the traditional academic class setting on a non-participating basis.

USM Jackson. The University of Southern Mississippi-Jackson began operation in the Fall of 1974 at the Research and Development Center on Eastover Drive in North Jackson. In a cooperative effort with Mississippi State University, the University of Mississippi, and Jackson State University, a limited number of graduate and undergraduate courses and programs are available for the citizens of Jackson and adjoining areas. Also, a variety of noncredit courses are conducted each term. Facilities and services in the Jackson area are available upon request for conferences, workshops, noncredit courses, and meetings.

For further information write to:
Lindy Brewer
USM Jackson
3825 Ridgewood Drive
Jackson MS 39211
Telephone: (601) 982-6210

Independent Study

Peggy Ladner, Manager
Southern Station Box 5056
Hattiesburg, MS 39406-5056
(601) 266-4206

Through independent study a student may earn up to thirty-three hours of undergraduate university credit or two complete units of high school credit. A complete high school curriculum and a wide variety of university-level course offerings are available.

Independent study allows the student to earn credit through the advantages of home study. These courses are particularly suited to the needs of the student who is unable to attend the University for one reason or another. Students are allowed to progress through their course of study at their own rate.

UNIVERSITY OF SOUTHERN MISSISSIPPI GULF COAST

Joe E. Holloway, Dean
East Beach Boulevard
Long Beach, MS 39560
(601) 865-4500

The University of Southern Mississippi Gulf Coast serves students at three locations: the Gulf Park Campus in Long Beach, the Keesler Center on Keesler Air Force Base, and USM Jackson County Center located on the Jackson County Campus of the Mississippi Gulf Coast Community College in Gautier. USM Gulf Coast is part of a cooperative plan to provide comprehensive higher education on the Mississippi Gulf Coast. The Two-Plus-Two articulation programs with the area community colleges assures a smooth transition for students who transfer from the community colleges' freshman-sophomore programs to the upper level degree programs at USM Gulf Coast. Refer to the USM Gulf Coast **Regional Campus Bulletin** for specific information concerning the Gulf Coast courses and programs.

DEGREE PROGRAMS

USM Gulf Coast provides a flexible delivery system designed to meet the educational needs of Coast citizens. Consequently, new courses and programs are added as student demand warrants and resources permit. A sufficient number of courses are now available so that USM Gulf Coast students may earn their entire baccalaureate degree(s) with majors and emphases in the following areas:

Business Administration
Computer Science
Criminal Justice
Electronics Engineering Technology
Elementary Education
English
History
Industrial & Vocational Education
Mathematics
Nursing
Paralegal Studies
Political Science
Psychology
Secondary Education
Special Education

Admission

In keeping with the status of USM Gulf Coast as an upper-level institution, regular admission is open to students who have attained junior standing (54 semester hours). The USM Gulf Coast Dean can authorize special exceptions to this rule for persons who need a limited number of courses for specialized professional and/or cultural development. In other respects, admission requirements are identical with those outlined elsewhere in this **Bulletin.** In order to facilitate proper advisement and predetermination of admission status, students must furnish transcripts and complete applications for admission prior to registration. Transcripts and the complete applications should be sent to the Director of Student Services, USM Gulf Coast, Long Beach, MS 39560.

Course Load

Students are permitted to carry a total of twelve (12) to eighteen (18) semester hours per term through USM Gulf Coast with the approval of their advisers. Credit workshops taken on the Regional Campus and courses from other institutions will be counted as part of the course load.

Honors

Special policies have been formulated in order to accord official recognition to students who achieve outstanding academic records. **PRESIDENT'S LIST:** Undergraduate students who earn a 4.00 grade point average on an academic load of not less than twelve semester hours in one term and have no grades of I or X will be placed on the President's List. **DEAN'S LIST:** Undergraduate students will be placed on the Dean's List if they have maintained a quality point ratio of 3.25 or above on an academic load of not less than twelve hours in one term, provided they have no grade of D or below (includes F, I, or X). **DEGREES WITH HONORS:** USM Gulf Coast students with exceptional academic records may be awarded a degree with honors or with highest honors. The residence requirement for such degrees is not less than thirty-two (32) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a quality-point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a quality point average of 3.8 or more.

FEES

(All fees are subject to change without notice)

Undergraduate:	$74.00 per semester hour
Graduate:	$99.00 per semester hour

One-half of a student's fees are due and payable at the time of registration. Students with completed loans, grants, or scholarships may use those funds as payment for the first half of total fees. Fees deferred past the last day to register each semester will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance. Students who enroll concurrently at USM Hattiesburg and USM Gulf Coast must pay separate fees for USM Gulf Coast courses. MasterCard and Visa credit cards will be accepted.

A general tuition level cap of $896.00 has been set for undergraduate students enrolled for 12-18 semester hours and for graduate students enrolled for 9-13 semester hours. Undergraduate students enrolled for more than 18 hours will be assessed $74.00 for each additional hour and graduate students enrolled for more than 13 hours will be assessed $99.00 for each additional hour.

Students who are not residents of Mississippi will be assessed an additional fee of $61.00 per semester hour up to a maximum of $731.00.

FULL-TIME STUDENT TUITION

(Including $5.00 Registration Fee)

Undergraduate	Graduate
$896.00	$896.00
12-18 hrs.	9-13 hrs.

SPECIAL FEES

Registration Fee (non-refundable)	$ 5.00
Late Registration Fee	$10.00
Vehicle Registration (GP & JC)	$ 2.00

A few courses are much more costly to teach than the majority of courses offered. Therefore, the following special fees are required to meet these additional costs:

ACC 300, 320	$15.00 per course
BA 301	15.00 per course
CET 370L, 470L, 471L, 478L, 570L, 571L, 578L	15.00 per course
CSS 330, 340, 341, 342, 350, 400, 441, 442, 460, 461, 462, 480, 481	15.00 per course
CSS 500, 502, 541, 542	15.00 per course
ELT 315L, 316L, 332L, 333L, 342L, 411, 412L, 470L	15.00 per course
FIN 300	15.00 per course
FSC 340L, 341L, 442L, 491L	15.00 per course
INT 480	15.00 per course
LS 405, 505	15.00 per course
LS 416, 516	7.50 per course
MIS 300	15.00 per course
NSG 313	10.00 per course
NSG 327, 412, 413, 427, 428	5.00 per course
NSG 361, 362, 363	$2.00/hr. + 35.00 per course
NSG 490	30.00 per course
REF 416, 516	7.50 per course
SCE 432, 461, 532, 561	15.00 per course

CALENDAR

The USM-Gulf Coast academic calendar and holidays follow the same schedule as the Hattiesburg Campus calendar found elsewhere in this **Bulletin.**

SEMESTER	REGISTRATION	
Fall 1992-1993	August 19, 1992	Keesler and Jackson County
	August 20, 1992	Gulf Park
Spring 1992-1993	January 6, 1993	Keesler and Jackson County
	January 7, 1993	Gulf Park
Summer 1992-1993	May 26, 1993	Keesler and Jackson County
	May 27, 1993	Gulf Park

GULF COAST RESEARCH LABORATORY

Thomas D. McIlwain, Director
703 East Beach Dr.
Ocean Springs, MS 39564-7000
(601) 872-4200

The Gulf Coast Research Laboratory is a non-degree granting Mississippi institution of higher learning which is under the administrative control of The University of Southern Mississippi. In addition to the main campus in Ocean Springs, the Laboratory operates the J.L. Scott Marine Education Center and Aquarium in Biloxi, MS.

The Laboratory focuses on marine related research in the coastal waters. Research emphasis areas include aquaculture, fisheries sciences, environmental fate and effects, biodiversity and systematics, coastal ecology, and oceanography.

SUMMER ACADEMIC PROGRAM

Courses taught at GCRL are approved through the Marine Science Department and where applicable, are cross-listed under the Biological Sciences, Geology and Science Education Departments. Most courses are available for upper-level undergraduate or graduate credit.

Admission

Students must apply directly to GCRL for admission. Contact Office of Student Services, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39564 for an application form.

Course Load

Courses are offered in two five-week summer terms. Students enroll in only one course each term but may earn up to twelve (12) semester hours credit during the summer. Classes usually meet each day during the week with particular times scheduled for field trips, classroom instruction and laboratory work.

Housing

Housing is available on campus in an air-conditioned dormitory. The dining hall serves three meals daily to all dormitory occupants.

FEES

Application fee:	$ 5.00
Undergraduate:	$74.00 per semester hour
Graduate:	$99.00 per semester hour
Room and board:	$80.00 per week

Students pay fees directly to GCRL. Fees are subject to change without prior notice.

CALENDAR

Application Deadline:	May 1, 1993
First summer term starts:	May 31, 1993
Second summer term starts:	July 5, 1993

GRADUATE RESEARCH PROGRAM

The Gulf Coast Research Laboratory's research programs provide opportunities for USM graduate students to do the research phase of their program in a marine area. It is expected that research problems will be studies which cannot easily be conducted on the USM campus. Departmental approval must be obtained before a student can enter this program. For more information contact: Office of Student Services, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39564.

COURSE DESCRIPTIONS

INDEX OF ABBREVIATIONS FOR FIELDS OF INSTRUCTION

AA	Allied Arts
ACC	Accounting
ACT	Architectural Engineering Technology
ADE	Adult Education
AMS	American Studies
ANT	Anthropology
AOS	Aerospace Studies
ARA	Arabic
ARE	Art Education
ART	Art
AST	Astronomy
BA	Business Administration
BCT	Construction Engineering Technology
BED	Business Education
BSC	Biological Sciences
CD	Child Development
CED	Cooperative Education
CET	Computer Engineering Technology
CHE	Chemistry
CHI	Chinese
CHS	Community Health Sciences
CI	Curriculum and Instruction: CIE Elementary CIS Secondary
CJ	Criminal Justice
CPY	Counseling Psychology
CSA	Coaching and Sports Administration
CSC	Computer Science
CSS	Computer Science and Statistics
CT	Clothing and Textiles
DAN	Dance
ECO	Economics
ELT	Electronics Engineering Technology
ENG	English
ESC	Environmental Science
FAM	Family Relations
FEM	Family Economics and Management
FIN	Finance
FL	Foreign Languages
FN	Food and Nutrition
FRE	French
FS	Fundamentals of Science
FSC	Forensic Science
FSM	Food Service Management
FST	Food Service Technology
GER	German
GHY	Geography and Area Development
GLY	Geology
GRK	Greek
GS	General Studies
HEE	Home Economics Education
HIS	History
HON	Honors College
HRT	Hotel, Restaurant and Tourism Management
HUM	Humanities
IB	International Business
ID	Interior Design
INT	Industrial Engineering Technology
ITA	Italian
IVE	Industrial and Vocational Education
JPN	Japanese
JOU	Journalism
LAT	Latin
LS	Library Science
MAR	Marine Science
MAT	Mathematics
MED	Music Education
MET	Mechanical Engineering Technology
MGT	Management
MIS	Management Information Systems
MKT	Marketing
MS	Military Science
MTC	Medical Technology
MUP	Music Performance Studies
MUS	Music
NSG	Nursing
PED	Physical Education
PHI	Philosophy
PHY	Physics
PLG	Planning
PLS	Paralegal Studies
PS	Political Science
PSC	Polymer Science
PSY	Psychology
REC	Recreation
REF	Research and Foundations
REI	Real Estate and Insurance
REL	Religion
RTF	Radio-Television-Film
RUS	Russian
SCE	Science Education
SCM	Speech Communication
SHS	Speech and Hearing Sciences
SOC	Sociology
SPA	Spanish
SPE	Special Education
SWK	Social Work
THE	Theatre
THY	Therapy
TOX	Toxicology
TSE	Traffic Safety Education

EXPLANATION

The semester credit hours are listed after the title of each course.
Example:

201. **Principles of Accounting I.** 3 hrs. An introduction to financial information systems.

The courses marked (JC 1213) are those courses at USM which are equivalent to junior/community college courses. It should be noted that there is a variance in course sequence between the junior/community colleges and USM. In addition, courses with the same junior/community college numbers vary from college to college. An adviser should be consulted prior to course scheduling.

The plus (+) sign in front of a course indicates that a special fee is charged for that course. (See Special Fees listing in Expenses Section.)

ACCOUNTING (ACC—605)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

200. **Introduction to Financial Accounting.** 3 hrs. The interpretation and use of financial accounting information. (JC 1213, 1214)

250. **Accounting Principles and Processes.** 3 hrs. Prerequisite: ACC 200. Primarily for Accounting majors; an introduction to principles and processes employed in accounting.

+ 300. **Managerial Accounting.** 3 hrs. Prerequisites: ACC 200, MIS 201, 202. The use of accounting information in managerial decision making.

301. **Intermediate Accounting I.** 3 hrs. Prerequisite: ACC 250. An intensive study of financial statement theory and preparation.

302. **Intermediate Accounting II.** 3 hrs. Prerequisite: ACC 301 with a grade of **C** or better. A continuation of ACC 301.

+ 320. **Elementary Cost Accounting.** 3 hrs. Prerequisites: ACC 250, MIS 201, 202. A study of cost accounting systems and methods.

330. **Federal Income Tax Accounting I.** 3 hrs. Prerequisite: ACC 250. The legal environment of business as affected by the federal income tax law and regulations.

401. **Advanced Accounting I.** 3 hrs. Prerequisite: ACC 302 with a grade of **C** or better. A continuation of ACC 302.

402. **Advanced Accounting II.** 3 hrs. Prerequisite: ACC 401 with a grade of **C** or better. A continuation of ACC 401.

407. **Government and Not-for-Profit Accounting.** 3 hrs. Prerequisite: ACC 302. The study of government and fund accounting principles.

409. **Auditing I.** 3 hrs. Prerequisite: ACC 302 with a grade of **C** or better. An introduction to the financial statement attest function.

412. **Seminar on Contemporary Accounting Topics.** 1.5 hrs. Prerequisite: ACC 301. Selected readings and discussions of current accounting topics.

492. **Special Problems in Accounting.** 1-6 hrs. Prerequisite: Consent of Director. Individual study on an approved topic in Accounting. (Students undertaking a Senior Honors Project will enroll in ACC H492.)

498. **International Accounting Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: A series of lectures and discussions involving authorities on international accounting issues and practices.

499. **International Accounting Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international accounting offered for students enrolled in ACC 498.

ADULT EDUCATION (ADE—110)

440. **Methods and Materials in Adult Education.** 3 hrs. Reviews the uses and adaptation of various materials and techniques for teaching adults. Relates content and methods.

441. **Foundations of Reading Instruction for the Adult.** 3 hrs. Examines the basis of reading instruction in relation to the needs and characteristics of the non-literate adult

442. **Methods and Materials for Teaching Adults to Read.** 3 hrs. Materials, diagnostic and evaluative procedures, and laboratory experiences will be included.

445. **Teaching the Disadvantaged Adult.** 3 hrs. Characteristics, needs, and problems are related to programs and procedures found to be successful.

476. **Learning in Adult Education.** 3 hrs. A study of learning in adulthood, and related to a range of educational programs.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

480. **Applied Educational Gerontology.** 3 hrs. This course prepares individuals to design and implement educational programs for older adults.

490. **Special Problems in Adult Education.** 1-3 hrs. May be arranged for an individual or a group with common interests. Permission of the department chairman required.

+ 494. **Student Teaching in Adult Education.** 1-2 hrs. Prerequisite: ADE 440 or 441 or 442 or IVE 431 or 435. For students who plan to teach in an adult education program or a post-secondary vocational center and who are not presently employed in such a program.

+ 495. **Internship in Adult Education.** 3-9 hrs. A nine-months, supervised experience for practicing teachers of adults.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

AEROSPACE STUDIES (AOS—202)

First-Year Aerospace Studies

101. **Air Force Organizations.** 2 hrs. A beginning course to introduce the student to the Air Force ROTC Program and today's Air Force. Laboratory included.

103. **Air Force Mission.** 2 hrs. Examines the functions and employment of U.S. Aerospace Forces. Laboratory included.

Second-Year Aerospace Studies

201. **Air Power Through WW II.** 2 hrs. Events and personalities contributing to the development of air power as a primary element of national security. Laboratory included.

203. **Air Power Post WW II.** 2 hrs. The changing mission of the Air Force, emphasizing the impact of air power on strategic thought. Laboratory included.

Third-Year Aerospace Studies

312. **Military Management Skills.** 4 hrs. Compares the functions of the Air Force commander and his staff with contemporary management theory. Laboratory included.

313. **Military Leadership and Management.** 4 hrs. Examines leadership and management roles of the junior Air Force officer. Includes communications security. Laboratory included.

Fourth-Year Aerospace Studies

404. **Flight Instruction Program.** 2 hrs. Prerequisite: Permission of the instructor. Includes instruction in principles of flight, weather, and navigation.

412. **National Defense Forces in Contemporary American Society.** 4 hrs. Focuses on the prerequisites for maintaining adequate national security forces. Laboratory included.

413. **National Defense Forces in Contemporary American Society.** 4 hrs. Institutional structures involved in the formulation and implementation of U.S. Defense policies. Laboratory included.

492. **Special Projects.** 1-2 hrs.

ALLIED ARTS (AA—655)

100. **Introduction to the Arts.** 3 hrs. A team-taught investigation of the musical, visual, and theatrical arts designed for students who are not otherwise academically involved with these arts. (JC 1233)

300. **Directed Art Tours.** 3 hrs. Prerequisite: AA 100 or permission of instructor.

AMERICAN STUDIES (AMS—204)

304. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

403. **Seminar in American Studies.** 3 hrs. Required of American Studies majors during senior year. Open to other majors with permission of professor.

404. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in AMS H492.)

499. **British Studies: Anglo-American Studies.** 3-6 hrs. A seminar conducted in Great Britain under the auspices of the USM Institute of Anglo-American Studies.

ANTHROPOLOGY (ANT—286)

101. **Introduction to Anthropology.** 3 hrs. Surveys the four major subdisciplines of anthropology (physical anthropology, archaeology, linguistics, and social/cultural anthropology) to provide the student with a holistic understanding of humanity's social and biological diversity. (JC-SOC 2213)

221. **Cultural Anthropology.** 3 hrs. A comparative approach to the analysis of human cultural and social diversity. (JC-SOC 2243)

231. **Introduction to Archeology.** 3 hrs. An introduction to the study of anthropological archaeology and an overview of world prehistory.

241. **Introduction to Physical Anthropology.** 3 hrs. A study of prehistoric and modern human physical variation and its causes.

311. **World Cultures.** 3 hrs. A survey of cultural and social patterns from each of the primary geographic and cultural areas of the world (Africa, Asia, South America, North America, Oceania, Europe and Australia).

312. **Peoples and Cultures of Europe.** 3 hrs. Ethnology of Europe and the adjacent North African and Middle Eastern territories.

313. **Peoples and Cultures of Africa.** 3 hrs. An ethnological survey of the major culture areas of the African continent with particular reference to Sub-Saharan Africa.

314. **Peoples and Cultures of Asia.** 3 hrs. Ethnological survey of the far East, the Indian Sub-continent, Central Asia, and Insular Southeast Asia.

315. **American Indians.** 3 hrs. Focuses on North American, Meso-American and South American Indian cultures.

317. **Peoples and Cultures of Mesoamerica.** 3 hrs. Introduction to the major prehistoric and contemporary peoples of Mexico and Central America, including the Aztecs, Maya and Valley of Oaxaca.

318. **Peoples and Cultures of the Pacific.** 3 hrs. An ethnological survey of Melanesia, Micronesia, and Polynesia.

333. **Archeology of North America.** 3 hrs. A study of the origin and development of prehistoric American Indian cultures.

335. **Biblical Archeology.** 3 hrs. A survey of ancient Near Eastern peoples and cultures as reconstructed by anthropology and archeology.

342. **Forensic Anthropology.** 3 hrs. Introduction to anthropological field methods and theory applicable to forensics, including bone identification and sex/age/race identification.

351. **Linguistic Anthropology.** 3 hrs. A survey of anthropological approaches to the diversity of human languages.

411. **Foundations of Indo-European Thought and Culture.** 3 hrs. A comparative approach to the background of western culture, utilizing linguistics, mythology, and archeology.

416. **Ethnographic Field Methods.** 1-6 hrs. Methods of ethnographic fieldwork through participation in organized field studies. Permission of instructor required.

420. **Culture and Ethnicity.** 3 hrs. An analysis of culture and ethnicity with special reference to the problem of modernization.

421. **Anthropological Theory.** 3 hrs. A general survey of historical anthropological thought and of the major contemporary schools of anthropological theory.

422. **Mythology and Folklore.** 3 hrs. A survey of the major folklore traditions.

423. **Economic Anthropology.** 3 hrs. The evolution of economic systems, cross-cultural analysis of economic systems, and the role of economic forces in cultural change.

424. **Primitive Religion.** 3 hrs. Beliefs and Rituals in tribal society; Shamanism and trance states; animism and magic; altered states of consciousness in religious ideology, evidences of prehistoric religion, and revitalization movements.

425. **Kinship and Social Organization.** 3 hrs. A comparative study of kinship and social organization, and a survey of the major anthropological theories concerning organizational variability.

427. **Psychological Anthropology.** 3 hrs. Cross-cultural analysis of personality formation, perception and cognition, mental illness, and altered states of consciousness.

428. **Political Anthropology.** 3 hrs. A comparative survey of patterns of group decision-making, leadership, resolution of conflict and social control in human societies.

429. **Topics in Cultural Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

431. **Prehistoric Archaeology.** 3 hrs. Corequisite: ANT 431L. Overview of analytical techniques in archaeology and prehistoric technologies.

431-L. **Prehistoric Archaeology Laboratory.** 1 hr. Corequisite: ANT 431. Laboratory to accompany Prehistoric Archaeology. Overview of analytical techniques in archaeology and prehistoric technologies.

433. **Prehistory of Southeastern Indians.** 3 hrs. A survey of the prehistoric archaeology of the Southeastern United States, especially Mississippi and adjoining states, from the first inhabitants to the time of European contact.

436. **Archeology Field Methods.** 1-6 hrs. Methods of fieldwork through participation in organized field projects. Permission of instructor required.

439. **Topics in Archaeology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

442. **Medical Anthropology.** 3 hrs. Introduction to the relationship between human culture and disease, especially cross- cultural comparisons of perception and treatment of illness.

449. **Topics in Physical Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

459. **Topics in Linguistic Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the department chairman. (Students undertaking a Seniors Honor Project will enroll in ANT H492.)

499. **British Studies.** 3-6 hrs. Variable content. Lecture series and research abroad under the auspices of the Institute of Anglo-American Studies.

ARCHITECTURAL ENGINEERING TECHNOLOGY (ACT—392)

\+ 123. **Architectural Rendering.** 3 hrs. Prerequisite: ACT 132. Visual expression of architectural principles and structures. Perspectives, shades, shadows, colors, etc.

132. **Architectural Graphics.** 3 hrs. Principles of orthographic projection and related drafting techniques applied to architectural and mechanical systems.

203. **Computer-Aided Drafting for Interior Design.** 3 hrs. Prerequisites: EVD 140, ACT 132. An introduction to computer aided drafting with application related to residential and commercial interiors.

204. **Building Materials.** 3 hrs. Properties, characteristics, and utilization of materials used in construction.

221. **Architectural Models.** 2 hrs. Prerequisite: ACT 261. Introduction to materials and techniques used in architectural modeling.

222. **Architectural History.** 3 hrs. Analysis of achievements in the design and construction of major architectural developments from early times to present.

235. **Architectural Working Drawings I.** 3 hrs. Prerequisites: ACT 132, 204, 301. Residential working drawings with integration of building systems used in frame construction.

241. **Statics.** 3 hrs. Prerequisites: MAT 103, PHY 111. Force systems, static equilibrium of rigid bodies, friction and centroids.

261. **Residential Planning and Design.** 3 hrs. Prerequisites: ACT 132, 204. Analysis and problem solutions in the design and planning of residential buildings.

262. **Architectural Design I.** 3 hrs. Prerequisites: ACT 123, 132, 301, BCT 235. Residential and high density planning (Group R Occupancy Classification); study and application of design principles to three-dimensional visual organizations which convey spatial information.

301. **Computer-Aided Drafting and Design I.** 3 hrs. Prerequisite: MET 201. Commercial CADD systems: hardware and software, graphics programming in two- and three-dimensions.

302. **Computer-Aided Drafting and Design II.** 3 hrs. Prerequisite: ACT 301. CADD applied to architectural and engineering drawing using AutoCAD and other commercially-available software.

303. **Principles of Energy in Interior Design.** 3 hrs. Principles of thermal, atmospheric, acoustic, solar and luminous environments as applied to design in architecture and interior design.

+ 315. **Mechanical Systems.** 3 hrs. Prerequisite: PHY 111. Design, installation, and performance of mechanical systems.

+ 316. **Electrical Systems.** 3 hrs. Prerequisite: PHY 112. Design, installation, and performance of electrical equipment for residential and commercial buildings.

+ 324. **Architectural Landscaping.** 3 hrs. Prerequisite: BCT 205 or permission of instructor. Principles of landscaping as applied to the building environment.

325. **Office Practice.** 3 hrs. Prerequisite: ACT 235. Introduction to contract documents, contract administration, and architectural office operations.

+ 326. **Codes and Specifications.** 3 hrs. Prerequisites: ACT 336. Development and writing of architectural project specifications; introduction to codes.

336. **Architectural Working Drawings II.** 3 hrs. Prerequisites: ACT 363, BCT 336. Commercial working drawings, with integration of commercial building systems.

338. **Architectural Working Drawings III.** 3 hrs. Prerequisite: ACT 336. Emphasis on detailing, graphics, plan coordination and development of working drawings.

342. **Strength of Materials.** 3 hrs. Prerequisites: ACT 241, MAT 136. Centroids, stress, elastic deformation. Shear and flexure stress in beams. Combined stress and Mohr's circle.

343. **Structural Design.** 3 hrs. Prerequisite: ACT 342. Design of structural steel members.

363. **Architectural Design II.** 3 hrs. Prerequisites: ACT 262, BCT 336. Spatial planning of commercial buildings (Group M/B Occupancy Classification); application of design processes and analytical methods; information retrieval, programming and architectural problem solving.

364. **Architectural Design III.** 3 hrs. Prerequisite: ACT 363. Analysis of environmental and site forms as they relate to planning and design of assembly and educational structures (Groups A and E Occupancy Classification).

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser.

+ 400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

+ 401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

404. **Applications of Computer-Aided Drafting and Design.** 3 hrs. Prerequisite: ACT 302. Use of commercially-available software to create complete sets of architectural and engineering drawings including all specifications.

423. **Computer-Aided Architectural Presentations.** 3 hrs. Prerequisite: ACT 404. Use of CADD for architectural presentations including 2- and 3- dimensional renderings, presentations, and models.

445. **Foundations.** 3 hrs. Prerequisite: ACT 342. Properties and behavior of soils and concrete as applied to architectural structures.

457. **Architectural Estimating.** 2 hrs. Prerequisite: BCT 454. Development of project budgets from schematic stages through final design using cost estimating and value engineering methods.

465. **Architectural Design IV.** 3 hrs. Prerequisite: ACT 364. Comprehensive architectural concepts applied to institutional buildings (Group I Occupancy Classification).

466. **Architectural Design V.** 3 hrs. Prerequisite: ACT 465. Analysis of environmental, safety, and socio-political issues as they relate to industrial, storage, and hazardous occupancy structures (Groups F, S, and H Occupancy Classification).

467. **Architectural Restoration.** 2 hrs. Prerequisite: ACT 364. Study of preservation, restoration and reconstruction of existing buildings.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

ART (ART—660)

(*Permission of instructor necessary)

101. **Drawing I.** 3 hrs. A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking. (JC 1313)

102. **Drawing II.** 3 hrs. Prerequisite: ART 101*. A continuation of ART 101. (JC 1323)

111. **Design I.** 3 hrs. A study of the basic elemental relationships, plastic integration factors, principles, and the ordering of them toward expression. (JC 1413)

112. **Design II.** 3 hrs. Prerequisite: ART 111*. A continuation of the study of design with color theory and practice. (JC 1423)

130. **Art Appreciation.** 3 hrs. An introduction to the visual arts. (JC 1113)

131. **Theoretical Foundations.** 3 hrs. A study of the scope and nature of the plastic expressions with some bases for criticism.

201. **Figure Drawing I.** 3 hrs. Prerequisite: ART 102, 112, or*. Study of the structure and anatomy of the human figure. Drawing and study from the figure.

202. **Figure Drawing II.** 3 hrs. Prerequisite: ART 201 or*. Advanced study from the human figure involving composition and sustained drawings.

203. **Figure Drawing III.** 3 hrs. Prerequisite: ART 202 or*. Advanced drawing from the figure involving composition, expression and personal vision.

212. **Crafts.** 3 hrs. A study of the techniques and problems involved in the creation and design of jewelry. May not be used toward the major in art or art education.

213. **Crafts.** 3 hrs. A continuation of ART 212 with emphasis is lapidary work. May not be used toward the major in art or art education.

221. **Technical Foundations for Painting.** 3 hrs. Prerequisites: ART 101, 111 or *. Experimental problems with traditional painting media and techniques.

251. **Workshop in Ceramics.** 3 hrs. Traditional techniques in the forming, firing, and glazing of clay. May not be used toward the major or minor in art or art education. (JC 2613)

301. **Drawing.** 3 hrs. Prerequisite: ART 102*. Expressive use of a variety of perspective systems.

302. **Drawing.** 3 hrs. Prerequisite: ART 202. Advanced study of visual form in drawing.

303. **Drawing.** 3 hrs. Prerequisite: ART 302. Advanced problematic study of form in drawing moving toward personal expression.

304. **Workshop in Drawing.** 1-3 hrs. Arr. A variety of drawing experiences which may be pursued by students at various levels. May not be used toward the major or minor.

305. **Relief Printmaking.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for relief printmaking.

306. **Intaglio.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for intaglio printmaking.

307. **Lithography.** 3 hrs. Prerequisites: ART 102 and 112. A study of techniques and design for lithographic printmaking.

308. **Serigraphy.** 3 hrs. Prerequisite: ART 102 and 112. Techniques and design for serigraphic printmaking.

311. **Design III.** 3 hrs. Prerequisite: ART 112*. Studio problems in design, emphasis on individual student needs.

312. **Design IV.** 3 hrs. Prerequisite: ART 311*. Studio problems in design, emphasis on individual needs.

313. **Design V.** 3 hrs. Prerequisite: ART 312*. Advanced studio problems in design.

314. **Design VI.** 3 hrs. Prerequisite: ART 313. Advanced studio problems in design.

321. **Painting I.** 3 hrs. Prerequisite: ART 102, 112 or*. Introduction to problematic study of form in painting.

322. **Painting II.** 3 hrs. Prerequisite: ART 321*. Advanced problematic study of form in painting.

323. **Painting III.** 3 hrs. Prerequisite: ART 322*. Advanced problematic study of painterly form moving toward an introduction to personal expression.

324. **Workshop in Painting.** 1-3 hrs. Painting experiences which may be pursued by students at various levels. May not be used toward the major or minor.

331. **Directed Museum and Gallery Tour.** 1 hr. An elective addendum to ART 131. Field trip and tour of galleries and museums for the viewing of original works.

332. **History of Art I.** 3 hrs. Ancient through Medieval Art. A survey course.

334. **History of Art II.** 3 hrs. Renaissance, Baroque, Nineteenth, and Twentieth Century Art.

341. **Commercial Techniques I.** 3 hrs. Prerequisites: ART 102 and 112*. The rendering of objects and materials for commercial presentation.

342. **Commercial Techniques II.** 3 hrs. Prerequisites: ART 341*. Hand and precision lettering and advertising and show card layout.

343. **Commercial Techniques III.** 3 hrs. Prerequisites: ART 341, 342*. Study of commercial illustrative techniques and their application to layout problems.

344. **Illustration.** 3 hrs. Prerequisites: ART 102, 112. Problems and techniques involving the relationship of the medium to the subject.

351. **Ceramics I.** 3 hrs. Prerequisite: ART 112. Experimental and traditional techniques in the manipulation of clay and plaster.

352. **Sculpture I.** 3 hrs. Prerequisite: ART 112. Experimental and traditional techniques in manipulation of metal and wood.

400. **The Art of Italy.** 3 hrs. Prerequisite:*. A travel/study course in the art of Italy.

412. **Crafts I.** 3 hrs. Prerequisite: ART 112. A study of the techniques and problems involved in the creation and design of jewelry.

413. **Crafts II.** 3 hrs. Prerequisite: ART 112 or ART 412. A continuation of ART 412 with emphasis in lapidary work.

414. **Crafts III.** 3 hrs. Prerequisite: ART 112 or ART 412. Techniques and problems involved in the creation and design of various fabrics with fibrous materials.

415. **Trends in Current Plastic Expression.** 3 hrs. A course designed to keep the student abreast of current trends in the plastic arts.

420. **Adapting Selected Current Art Trends.** 3 hrs. Art trends are identified and developed in terms of philosophies, practitioners, backgrounds, and techniques.

421. **Painting IV.** 3 hrs. Prerequisites: ART 323*. A personal search in painting. Class discussion and criticism.

422. **Painting V.** 3 hrs. Prerequisites: ART 421*. Advanced development of a personal language and statement in painting.

423. **Painting VI.** 3 hrs. Prerequisites: ART 422. A sustained individual effort in painting leading to the independent work of the senior project.

428. **Painting Project.** 3 or 6 hrs. Prerequisites: ART 422, 423*. Independent expressive problem in painting culminating with an exhibition.

431. **Ancient Art.** 3 hrs. Prerequisite: ART 332. Artistic achievements of the ancient world. A careful analysis of examples correlated with their background.

432. **Medieval Art.** 3 hrs. Prerequisite: ART 332. Art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century.

433. **Renaissance Art.** 3 hrs. Prerequisite: ART 334. Art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century.

434. **Baroque and Rococo Art.** 3 hrs. Prerequisite: ART 334. The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century.

435. **Nineteenth Century Art.** 3 hrs. Prerequisite: ART 334. An analysis of Neo-Classicism, Romanticism, and Impressionism.

436. **Twentieth Century Art.** 3 hrs. Prerequisite: Art 334. An analysis of Fauvism, Cubism, Futurism, Surrealism and Expressionism.

441. **Graphic Communication I.** 3 hrs. Prerequisite: ART 343*. Problems in advertising design, with particular attention to modern reproduction methods.

442. **Graphic Communication II.** 3 hrs. Prerequisite: ART 441. Continuation of ART 441 including color separation techniques and topographic experiments.

443. **Graphic Communication III.** 3 hrs. Prerequisite: ART 442. A continuation of ART 442, with particular emphasis on professional procedure.

448. **Graphic Communication Project.** 3 or 6 hrs. Prerequisite: ART 443*. Project in advertising design and presentation involving considerable research. Seminar.

451. **Ceramics II.** 3 hrs. Prerequisite: ART 351. Aesthetic problems in three dimensional expression, emphasis clay or plaster.

452. **Sculpture II.** 3 hrs. Prerequisite: ART 352. Aesthetic problems in three dimensional expression, emphasis wood, metal, or plastics.

453. **Ceramics III.** 3 hrs. Prerequisite: ART 451. Utilitarian problems in three dimensional expression, emphasis clay.

454. **Sculpture III.** 3 hrs. Prerequisite: ART 452. Three dimensional expression, emphasis wood, metal, or plastics.

458. **Three Dimensional Design Project.** 3 or 6 hrs. Prerequisites: ART 453 and 454. Project in three dimensional expression involving considerable research. Seminar.

492. **Special Problems in Art.** 1-3 hrs. Prerequisite: Senior standing and consent of instructor. Individual research on an approved visual art problem. (Students undertaking a Senior Honors Project will enroll in ART H492.)

498. **British Studies, Art History.** 3-6 hrs. Variable content. Lecture series and research offered under the auspices of the Institute of Anglo-American Studies.

499. **British Studies, Art Studio.** 3-6 hrs. Variable content. Studio series offered abroad under the auspices of the Institute of Anglo-American Studies.

ART EDUCATION (ARE—665)

207. **Introduction to Art.** 3 hrs. For non-art majors. Survey of the fundamentals of Art. (JC 1213)

309. **Elementary School Art.** 3 hrs. Prerequisite: ARE 207 (elementary education majors); ART 101 and ART 111 (art education majors). Art theory and techniques to the elementary classroom situation.

310. **Secondary School Art.** 3 hrs. Prerequisite: ARE 309. An application of art theory and techniques to the secondary classroom situation.

320. **Directed Tour of Exemplary Art Education Programs.** 3 hrs. Prerequisite: ARE 309 or 310. Observation of exemplary art education programs in operation in the U.S. or abroad.

392. **Special Projects for Teachers I, II.** 2 hrs. Prerequisite: ARE 207. Projects in art and methods of presentation to children in the elementary grades.

426. **Curriculum and Instruction in Art Education.** 3 hrs. A study of the art curriculums and instructional programs in the public schools in grades K through twelve.

452. **Methods in Art.** 3 hrs. Stresses the aims, objectives, and methods of art education in the elementary and secondary schools.

482. **Student Teaching in Art Education.** 9-12 hrs.

491. **Art Education Workshop.** 2 hrs. A study of art education problems. This course may not be applied toward a degree in art education.

492. **Art Education Project.** 3 hrs. Prerequisites: ARE 309 and ARE 310. A research project in specialized art techniques as applied to the classroom situation.

ASTRONOMY (AST—365)

111. **General Astronomy.** 3 hrs. Introduction to early astronomy, tools of astronomers, and the solar system.

\+ 111-L. **General Astronomy Laboratory.** 1 hr. Corequisite/Prerequisite: AST 111.

112. **General Astronomy.** 3 hrs. Stellar structure, evolution of the Galaxy, extragalactic astronomy, and cosmology.

\+ 112-L. **General Astronomy Laboratory.** 1 hr. Corequisite/Prerequisite: AST 112.

BIOLOGICAL SCIENCES (BSC—300)

Courses satisfying General Education Curriculum Requirements for laboratory sciences that may **not** be counted toward a major in Biological Sciences.

103. **Biological Science.** 3 hrs. Concepts and methods of biological science and their relationship to human affairs. Cannot be taken in combination with BSC 110 and 111 to meet the general education curriculum requirement.

\+ 103-L. **Biological Science Laboratory.** 1 hr.

106. **Plants and People.** 3 hrs. An appreciation of plants with emphasis on botanical subjects of current interest.

\+ 106-L. **Plants and People Laboratory.** 1 hr. Corequisite for BSC 106.

107. **Heredity and Human Affairs.** 3 hrs. Foundations of human reproductive and heredity interrelationships and their significance in social, ethical, and moral problems.

\+ 107-L. **Heredity and Human Affairs Laboratory.** 1 hr. Corequisite for BSC 107.

108. **Microbes and Human Affairs.** 2 hrs. Introduction to basic characteristics of microorganisms and their role in human affairs.

\+ 108-L. **Microbes and Human Affairs Laboratory.** 2 hrs. Corequisite for BSC 108.

250. **Human Anatomy and Physiology I.** 3 hrs. Cells and tissues; integumentary, skeletal, muscular, respiratory and circulatory systems. (JC 1513, 2513, 1514, 2514)

\+ 250-L. **Human Anatomy and Physiology I Laboratory.** 1 hr. Corequisite for BSC 250. (JC 1511, 2511)

251. **Human Anatomy and Physiology II.** 3 hrs. Digestive, nervous, urogenital and endocrine systems. (JC 1523, 2523, 1524, 2524)

\+ 251-L. **Human Anatomy and Physiology II Laboratory.** 1 hr. Corequisite for BSC 251. (JC 1521, 2521)

280. **Microorganisms in Health and Disease.** 3 hrs. A survey of microorganisms of public significance for nursing students.

281. **Microorganisms in Food.** 3 hrs. Microbiology of domestic and commercially prepared foods.

\+ 281-L. **Microorganisms in Food Laboratory.** 1 hr. Corequisite for BSC 281.

Courses which **may** be counted toward a major in Biological Sciences.

110. **Principles of Biological Science I.** 3 hrs. Introduction to biological science, emphasizing the principal structural and functional systems of cells, organ systems, and organisms. Cannot be taken in combination with BSC 103 to meet the general education curriculum requirement. (JC 1133-1134)

+ 110-L. **Principles of Biological Science I Laboratory.** 1 hr. Corequisite for BSC 110.

111. **Principles of Biological Science II.** 3 hrs. Prerequisite: BSC 110 or equivalent. Principles of biological science at the level of the population, community, and ecosystem. Satisfies the general education requirement for laboratory science. Cannot be taken in combination with BSC 103 to meet the general education curriculum requirement. (JC 1143-1144)

+ 111-L. **Principles of Biological Science II Laboratory.** 1 hr. Corequisite for BSC 111.

201. **General Zoology.** 2 hrs. Prerequisite: BSC 110 and 111 or equivalent. Systematics, functional morphology, and ecological relationships of the major animal phyla. (JC 2414)

+ 201-L. **General Zoology Laboratory.** 1 hr. Corequisite for BSC 201.

226. **General Botany.** 2 hrs. Prerequisite: BSC 110 and 111 or equivalent. Systematics, structure, physiology, growth and development of plants. (JC 1313, 1314)

+ 226-L. **General Botany Laboratory.** 1 hr. Corequisite for BSC 226.

305. **Evolution.** 3 hrs. Prerequisites: BSC 110 or equivalent; BSC 201 and GLY 103 recommended. A comprehensive treatment of evolutionary theory.

360. **Cellular Physiology.** 3 hrs. Prerequisites: 8 hours of biology, 8 hours of chemistry; organic chemistry recommended. Cellular anatomy, chemistry, and physics.

361. **Comparative Anatomy.** 2 hrs. Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

+ 361-L. **Comparative Anatomy Laboratory.** 2 hrs. Corequisite for BSC 361.

370. **Genetics.** 3 hrs. Prerequisite: BSC 380 or BSC 110; one semester of organic chemistry recommended. The fundamental principles of heredity.

+ 370-L. **Recitation in Genetics.** 1 hr. Corequisite for BSC 370.

380. **General Microbiology.** 2 hrs. Current concepts in microbiology to include their structure and function, physiology, genetics, ecology, and role in disease.

+ 380-L. **General Microbiology Laboratory.** 2 hrs. Corequisite for BSC 380.

400. **History of Biology.** 3 hrs. Lectures and papers concerning the development of biological sciences.

401. **Natural History of Animals.** 1 hr. Prerequisite: Consent of instructor. Life histories of animals. Designed for teachers.

+ 401-L. **Natural History of Animals Laboratory.** 2 hrs. Corequisite for BSC 401.

402. **Natural History of Plants.** 1 hr. Prerequisite: Consent of instructor. Life histories of plants.

+ 402-L. **Natural History of Plants Laboratory.** 2 hrs. Corequisite for BSC 402.

403. **Natural History of Infectious Diseases.** 3 hrs. A study of infectious diseases and their effect on man.

404. **Field Biology.** 1-2 hrs. arr. Ecological and taxonomic studies. Offered between semesters as 4- to 12-day field trips.

+ 404-L. **Field Biology Laboratory.** 2-4 hrs. Corequisite for BSC 404.

405. **Principles of Nomenclature.** 3 hrs. Prerequisite: Consent of instructor. Discussions and problems in biological nomenclature.

406. **Zoogeography.** 3 hrs. Prerequisite: Consent of instructor. A descriptive and analytical study of the distribution of animals.

407. **Protozoology.** 2 hrs. Prerequisite: BSC 110, 111. Introduction to parasitic and free-living protoza.

+ 407-L. **Protozoology Laboratory.** 1 hr. Corequisite for BSC 407.

408. **Invertebrate Zoology I.** 2 hrs. Prerequisite: BSC 110, 111, 201. Functional morphology, systematics, and life histories of the phyla Porifera through the minor protostomes.

+ 408-L. **Invertebrate Zoology I Laboratory.** 1 hr. Corequisite for BSC 408.

409. **Invertebrate Zoology II.** 2 hrs. Prerequisite: BSC 408. Functional morphology, systematics, and life histories of invertebrate phyla through the Hemichordata.

+ 409-L. **Invertebrate Zoology II Laboratory.** 1 hr. Corequisite for BSC 409.

410. **Human Parasitology.** 3 hrs. Prerequisites: BSC 110, 201. Life histories, medical significance, and diagnosis of helminths and protozoa parasitic in man.

\+ 410-L. **Human Parasitology Laboratory.** 1 hr. Corequisite for BSC 410.

411. **Entomology.** 2 hrs. Prerequisites: BSC 110, 111. Structural adaptations, classification, life histories and habits, and the economic importance of insects.

\+ 411-L. **Entomology Laboratory.** 1 hr. Corequisite for BSC 411.

412. **Medical Entomology.** 2 hrs. Prerequisite: Consent of instructor. Arthropod vectors and agents of disease.

\+ 412-L. **Medical Entomology Laboratory.** 1 hr. Corequisite for BSC 412.

413. **Arachnida Biology.** 2 hrs. Prerequisites: BSC 110, 111. Biology, morphology, and classification of the arachnids.

\+ 413-L. **Arachnida Biology Laboratory.** 1 hr. Corequisite for BSC 413.

414. **Ichthyology.** 2 hrs. Evolutionary relationships, morphology, physiology and zoogeography of fishes, with emphasis on identification of local forms.

\+ 414-L. **Ichthyology Laboratory.** 1 hr. Corequisite for BSC 414.

415. **Biology of Fishes.** 2 hrs. Prerequisite: Consent of instructor. Functional morphology, ecology and behavior of fishes.

\+ 415-L. **Biology of Fishes Laboratory.** 1 hr. Corequisite for BSC 415.

416. **Introduction to Fishery Science.** 2 hrs. A survey of the biology, management, and potential yield of fish populations.

\+ 416-L. **Introduction to Fishery Science Laboratory.** 1 hr. Corequisite for BSC 416.

417. **Herpetology.** 2 hrs. Prerequisites: BSC 110, 111. Collection, preservation, identification and distribution of amphibians and reptiles. Field trips when possible.

\+ 417-L. **Herpetology Laboratory.** 1 hr. Corequisite for BSC 417.

418. **Ornithology.** 2 hrs. Prerequisite: BSC 361 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

\+ 418-L. **Ornithology Laboratory.** 1 hr. Corequisite for BSC 418.

419. **Mammalogy.** 2 hrs. Prerequisite: BSC 361 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

\+ 419-L. **Mammalogy Laboratory.** 1 hr. Corequisite for BSC 419.

420. **Speciation.** 3 hrs. Origin and evolution of species.

421. **Marine Invertebrate Zoology.** 3 hrs. Prerequisite: 16 hrs. of biology, including general zoology. Morphology, distribution and ecology of the phyla from Protozoa through Protochordates. (May be taken as MAR 403.)

421-L. **Marine Invertebrate Zoology Laboratory.** 3 hrs. Corequisite for BSC 421. (May be taken as MAR 403L.)

422. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in the history of science offered abroad under the auspices of the Institute of Anglo-American Studies. (May be taken as HIS 422 or SCE 422).

423. **History of Science and Technology.** 3 hrs. An interdisciplinary course designed for both science and and liberal arts students. Traces the development of science and technology and their role in society from the Renaissance to the present. (Cross-listed as HIS 423 and HUM 423.)

424. **Parasites of Marine Animals.** 3 hrs. Prerequisite: Permission of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships. (May be taken as MAR 404.)

424-L. **Parasites of Marine Animals Laboratory.** 3 hrs. Corequisite for BSC 424. (May be taken as MAR 404L.)

425. **Marine Phycology.** 2 hrs. Prerequisites: General botany and plant taxonomy. A survey of the principal groups of marine algae. (May be taken as MAR 420.)

425-L. **Marine Phycology Laboratory.** 2 hrs. Corequisite for BSC 425. (May be taken as MAR 420L.)

426. **Introductory Mycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of fungi.

\+ 426-L. **Introductory Mycology Laboratory.** 1 hr. Corequisite for BSC 426.

427. **Introductory Phycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of the algae.

\+ 427-L. **Introductory Phycology Laboratory.** 1 hr. Corequisite for BSC 427.

428. **Plant Anatomy.** 2 hrs. Prerequisite: Consent of instructor. A study of the anatomy of vascular plants.

\+ 428-L. **Plant Anatomy Laboratory.** 1 hr. Corequisite for BSC 428.

429. **Bryophytes and Vascular Plants.** 3 hrs. Prerequisite: Consent of instructor. Life cycles, evolution, and morphology of bryophytes and vascular plants.

\+ 429-L. **Bryophytes and Vascular Plants Laboratory.** 1 hr. Corequisite for BSC 429.

430. **Aquatic and Marsh Plants.** 2 hrs. Prerequisite: Consent of instructor. Collection, identification, and ecology of plants of fresh and brackish water.

\+ 430-L. **Aquatic and Marsh Plants Laboratory.** 1 hr. Corequisite for BSC 430.

431. **Plant Physiology.** 2 hrs. Prerequisite: General and organic chemistry recommended. The basic physiological processes of green plants.

\+ 431-L. **Plant Physiology Laboratory.** 1 hr. Corequisite for BSC 431.

432. **Economic Botany.** 2 hrs. Prerequisite: Consent of instructor. Origin, distribution, and significance of plants most important to man.

\+ 432-L. **Economic Botany Laboratory.** 1 hr. Corequisite for BSC 432.

433. **Taxonomy of Local Flora.** 2 hrs. Prerequisites: BSC 110, 111. The classification of local flora.

\+ 433-L. **Taxonomy of Local Flora Laboratory.** 1 hr. Corequisite for BSC 433.

434. **Dendrology.** 2 hrs. Prerequisites: BSC 110, 111. The taxonomic and ecological characteristics, and the distribution of trees.

\+ 434-L. **Dendrology Laboratory.** 1 hr. Corequisite for BSC 434.

435. **Plant Ecology.** 2 hrs. Prerequisite: Advanced standing in botany. Relationship of plants to their environment.

\+ 435-L. **Plant Ecology Laboratory.** 1 hr. Corequisite for BSC 435.

436. **Field Botany.** 6 hrs. Offered summers in Great Britain. Emphasis on native woody vegetation.

437. **Coastal Vegetation.** 2 hrs. Prerequisite: 10 hrs. of biology, including general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples. (May be taken as MAR 421.)

437-L. **Coastal Vegetation Laboratory.** 1 hr. Corequisite for BSC 437. (May be taken as MAR 421L.)

438. **Salt Marsh Plant Ecology.** 2 hrs. The botanical aspects of local marshes: includes plant identification, composition, and structure. (May be taken as MAR 422.)

438-L. **Salt Marsh Plant Ecology Laboratory.** 2 hrs. Corequisite for BSC 438. (May be taken as MAR 422L.)

439. **Marine Ecology.** 3 hrs. Prerequisite: 16 hrs. of biology. The relationship of marine organisms to their environment. (May be taken as MAR 405.)

439-L. **Marine Ecology Laboratory.** 2 hrs. Corequisite for BSC 439. (May be taken as MAR 405L.)

440. **Ecology.** 2 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The study of the relationships of organisms to their environment and to each other.

\+ 440-L. **Ecology Laboratory.** 1 hr. Corequisite for BSC 440.

441. **Population and Community Ecology.** 2 hrs. Collection, analysis, and interpretation of data on natural populations and communities.

\+ 441-L. **Population and Community Ecology Laboratory.** 1 hr. Corequisite for BSC 441.

442. **Behavioral Ecology and Sociobiology.** 3 hrs. Prerequisites: BSC 455 and 440 recommended. The adaptive significance and evolution of behavior.

443. **Freshwater Biology.** 1 hr. Prerequisites: BSC 110 and 111, or consent of instructor. The study of the biota of ponds, lakes, rivers, and streams.

+ 443-L. **Freshwater Biology Laboratory.** 2 hrs. Corequisite for BSC 443.

444. **Limnology.** 2 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The physical, chemical and biological dynamics of inland waters.

+ 444-L. **Limnology Laboratory.** 1 hr. Corequisite for BSC 444.

445. **Introduction to Biological Oceanography.** 3 hrs. Prerequisites: BSC 110, 111, 201. Marine biological regimes and the influence of geological, physical, and chemical oceanographic factors.

+ 445-L. **Introduction to Biological Oceanography Laboratory.** 1 hr. Corequisite for BSC 445.

446. **Aquaculture.** 2 hrs. Prerequisites: 12 hours of biology and 8 hours of chemistry. Production of aquatic organisms in natural and artificial environments.

+ 446-L. **Aquaculture Laboratory.** 1 hr. Corequisite for BSC 446.

447. **Marine Aquaculture.** 3 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks. (May be taken as MAR 407.)

447-L. **Marine Aquaculture Laboratory.** 3 hrs. Corequisite for BSC 447. (May be taken as MAR 407L.)

448. **Fauna and Faunistic Ecology of Tidal Marshes.** 1 hr. Prerequisite: Consent of instructor. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals. (May be taken as MAR 406.)

448-L. **Fauna and Faunistic Ecology of Tidal Marshes Laboratory.** 3 hrs. Corequisite for BSC 448. (May be taken as MAR 406L.)

449. **Marine Fisheries Management.** 2 hrs. Prerequisite: Statistics recommended. A statistical review of the world fisheries. (May be taken as MAR 410.)

449-L. **Marine Fisheries Management Laboratory.** 2 hrs. Corequisite for BSC 449. (May be taken as MAR 410L.)

450. **General Physiology.** 3 hrs. Corequisite or Prerequisite: BSC 454L. Organismic function and the adaptations which characterize major animal groups.

451. **Mammalian Physiology.** 3 hrs. Corequisite or Prerequisite: BSC 454L. The functions of mammalian systems; interrelationships and regulation are emphasized.

452. **Environmental Physiology.** 3 hrs. Corequisite or Prerequisite: BSC 454L. Physiological adaptations enabling animals to meet environmental challenges.

453. **Invertebrate Physiology.** 3 hrs. Corequisite or Prerequisite: BSC 454L. Prerequisite: 12 hours of biology. A functional approach to the major invertebrate phyla.

+ 454-L. **Physiology Laboratory.** 2 hrs. Corequisites: BSC 450 or BSC 451 or BSC 452 or BSC 453. Experimental techniques in physiology. To be taken once only with a listed corequisite.

455. **Animal Behavior.** 3 hrs. Prerequisite: BSC 201. Classical and current concepts of animal behavior including individual and social behavioral patterns.

+ 455-L. **Animal Behavior Laboratory.** 1 hr. Corequisite: BSC 455. Experimental and observational techniques in behavior.

456. **Endocrinology.** 3 hrs. Prerequisites: BSC 110, 111, or consent of instructor. Survey of the endocrine system and its regulation of physiological processes.

460. **Pharmacology.** 3 hrs. Prerequisites: Vertebrate biology and organic chemistry. The response of living organisms to drugs.

461. **Histology.** 4 hrs. Prerequisite: 12 hours of biology. Microscopic anatomy of mammalian organ systems.

+ 461-L. **Histology Laboratory.** Corequisite for BSC 461; no separate credit given for the laboratory.

462. **Microtechnique.** 1 hr. Techniques for sectioning, mounting, and staining tissue and making whole amounts.

+ 462-L. **Microtechnique Laboratory.** 2 hrs. Corequisite for BSC 462.

463. **Pathobiology.** 2 hrs. Prerequisite: BSC 461. Principles of histopathology in vertebrates.

+ 463-L. **Pathobiology Laboratory.** 1 hr. Corequisite for BSC 463.

464. **Microscopy.** 2 hrs. Theory and use of the electron microscope and associated instrumentation, and darkroom techniques.

+ 464-L. **Microscopy Laboratory.** 1 hr. Corequisite for BSC 464.

465. **Embryology.** 2 hrs. Prerequisite: Consent of instructor. Maturation, fertilization, cleavage, histogenesis, and organogenesis.

+ 465-L. **Embryology Laboratory.** 2 hrs. Corequisite for BSC 465.

466. **Human Embryology.** 3 hrs. Factors which activate or regulate developmental processes.

467. **Diseases of Aquatic Animals.** 2 hrs. Prerequisites: BSC 110, 111. Bacterial, fungal, viral and parasitic diseases of freshwater and marine fish, shellfish and crustaea.

+ 467-L. **Diseases of Aquatic Animals Laboratory.** 2 hrs. Corequisite for BSC 467.

468. **Comparative Histology of Marine Organisms.** 3 hrs. Histology of Marine organisms, including tissue processing techniques. (May be taken as MAR 430.)

468-L. **Comparative Histology of Marine Organisms Laboratory.** 3 hrs. Corequisite for BSC 468. (May be taken as MAR 430L.)

469. **Developmental Biology.** 3 hrs. A comprehensive survey of the experimental, genetic, and molecular analysis of processes that occur during the development of complex organisms.

471. **Advanced Genetics.** 2 hrs. Prerequisite: BSC 370. A continuation of BSC 370.

+ 471-L. **Advanced Genetics Laboratory.** 2 hrs. Corequisite for BSC 471. Laboratory exercises to illustrate basic genetic principles.

473. **Physiological Genetics.** 3 hrs. Prerequisites: BSC 370, 471. Physiological concepts of heredity.

474. **Interpretation of Biological Data.** 3 hrs. Prerequisite: Permission of instructor. Techniques applicable to the design and interpretation of biological research.

475. **Medical Genetics.** 3 hrs. The basic principles of human genetics with emphasis on the causation of abnormality and disease. Cannot be substituted for BSC 370.

476. **Molecular Biology.** 3 hrs. Prerequisite: BSC 370 or 477. Molecular biology of viral, prokaryotic and eukaryotic systems.

477. **Microbial Genetics.** 3 hrs. Prerequisites: BSC 370, 471. The genetics and molecular biology of microorganisms and bacteriophages.

+ 477-L. **Microbial Genetics Laboratory.** 1 hr. Corequisite for BSC 477.

480. **Determinative Bacteriology.** 2 hrs. Principles of isolation, characterization and identification of higher bacteria.

+ 480-L. **Determinative Bacteriology Laboratory.** 2 hrs. Corequisite for BSC 480.

481. **Pathogenic Microbiology.** 2 hrs. Schemes for isolation and identification of major groups of disease-producing microorganisms.

+ 481-L. **Pathogenic Microbiology Laboratory.** 2 hrs. Corequisite for BSC 481.

482. **Advanced Pathogenic Microbiology.** 2 hrs. Continuation of BSC 481.

+ 482-L. **Advanced Pathogenic Microbiology Laboratory.** 2 hrs. Corequisite for BSC 482.

483. **Medical Mycology.** 3 hrs. Prerequisite: Permission of instructor. Consideration of the fungi of medical significance.

+ 483-L. **Medical Mycology Laboratory.** 1 hr. Corequisite for BSC 483.

484. **Virology and Tissue Culture.** 2 hrs. Viral classification, replication, and biochemistry; tissue culture technology.

+ 484-L. **Virology and Tissue Culture Laboratory.** 2 hrs. Corequisite for BSC 484. Basic and applied tissue culture techniques.

485. **Viral Pathogenesis and Diagnosis.** 3 hrs. Host-rival interaction from a pathological and immunological viewpoint.

+ 485-L. **Viral Pathogenesis and Diagnosis Laboratory.** 1 hr. Corequisite for BSC 485. Principles of viral serology and isolation.

486. **Immunology and Serology.** 3 hrs. A study of the cellular, chemical, and genetic mechanisms of the immune response.

+ 486-L. **Immunology and Serology Laboratory.** 1 hr. A laboratory introduction to cellular and serologic immune reactions and their diagnostic usefulness. Corequisite for BSC 486.

487. **Microbial Physiology.** 3 hrs. A comprehensive survey of bacterial structure, nutrition, and biochemistry.

+ 487-L. **Microbial Physiology Laboratory.** 1 hr. Corequisite for BSC 487.

488. **Food Microbiology.** 2 hrs. Microorganisms affiliated with the preparation, spoilage, pathogenicity, and sanitation of foods.

+ 488-L. **Food Microbiology Laboratory.** 2 hrs. Corequisite for BSC 488.

489. **Microbial Pollution of Water.** 2 hrs. Control of pure water supply.

+ 489-L. **Microbial Pollution of Water Laboratory.** 2 hrs. Corequisite for BSC 489.

490. **Marine Microbiology.** 3 hrs. Prerequisite: General Microbiology. An introduction to the role of microorganisms in the overall ecology of the oceans and estuaries. (May be taken as MAR 409.)

490-L. **Marine Microbiology Laboratory.** 2 hrs. Corequisite for BSC 490. (May be taken as MAR 409L.)

492. **Special Problems I, II, III.** 1-6 hrs. A course in library and/or laboratory research selected in consultation with the adviser. (Students undertaking a Senior Honors Project will enroll in BSC H492.)

496. **Undergraduate Seminar I, II, III.** 1 hr. The presentation and discussions of current biological topics.

497. **Interdisciplinary Seminar in Developmental Disabilities.** 3 hrs.

BUSINESS ADMINISTRATION (BA—616)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

100. **Introduction to Business.** 3 hrs. An introductory course to practically all phases of the business world. Not open to juniors and seniors enrolled in the College of Business Administration, (JC 1113)

200. **The Legal Environment of Business.** 3 hrs. The study of the legal, political, and regulatory environment in which businesses operate. (JC 2413)

+ 301. **Managerial Statistics I.** 3 hrs. Prerequisites: MAT 102, MIS 201, 202. The use of statistical analysis for managerial decision making.

302. **Managerial Statistics II.** 3 hrs. Prerequisite: BA 301. Continuation of BA 301—the use of statistical analysis for managerial decision making.

400. **Business Issues Colloquium.** 1.5 hrs. Prerequisite: Senior standing in Business. A study of one or more current business issues.

410. **Quantitative Analysis in Business.** 3 hrs. Prerequisite: BA 301 and MAT 102. Mathematical and quantitative techniques applied to economic and financial problems.

411. **Advanced Business Law.** 3 hrs. Prerequisite: BA 200. A study of selected legal topics relating to credit, financial, and accounting practices.

BUSINESS EDUCATION (BED—105)

101. **Keyboarding for Information Processing.** 2 hrs. Development of basic keyboarding skills useful to a broad spectrum of individuals and disciplines. Designed to enhance the individuals potential for efficient processing of both words and data on the computer.

102. **Intermediate Typewriting and Introduction to Word Processing.** 3 hrs. A thorough review of manipulative input devices with an emphasis on formatting. Letter styles, manuscripts, and tabulations are covered, utilizing industry-current software (WordPerfect 5.1).

200. **Introduction to Business Communication.** 3 hrs. Basic mechanics of grammar usage and punctuation for business communications.

201. **College Notetaking.** 3 hrs. Theory principles; emphasis on fluency of reading and writing; some dictation and transcription. Laboratory included. (JC 1213)

202. **Advanced Notetaking.** 3 hrs. Review of alphabetic or machine shorthand principles with emphasis on advanced recording techniques, pre-transcription factors, and transcription activities.

302. **Foundations in Consumer and Economics Education.** 3 hrs. Concepts and principles of economic and business structures for economic literacy.

310. **Advanced Word Processing.** 3 hrs. Advanced production and editing of documents with emphasis on speed and accuracy; completion of simulation projects using industry-current sofware (WordPerfect 5.1).

362. **Information Processing I.** 3 hrs. Document production utilizing integrated software (word processing, database, chart/spreadsheet, communications) in conjunction with the Macintosh Operating System.

450. **Information Processing II.** 3 hrs. Skill development in the production of documents and business presentations utilizing integrated and presentation software within the MS DOS environment.

452. **History and Philosophy of Vocational Education.** 3 hrs. History, concepts, office occupations, employment opportunities, procedures, and techniques.

453. **Techniques of Coordination.** 3 hrs. Techniques and procedures used in coordinating office occupations programs and distributive education programs.

454. **Methods in Teaching Marketing Education.** 3 hrs. Principles, concepts, program plans, curricula, methods and instructional materials, activities, research, and evaluation.

455. **Organization and Administration of Distributive Education.** 3 hrs. Basic problems, objectives, and characteristics of DE programs as applied in their development.

456. **Methods in General and Vocational Business Education.** 3 hrs. Preparation of prospective business teachers for certification in intensive business training and vocational office training.

465. **Microcomputers in Business Education.** 3 hrs. Skill development in use of multiple software packages relative to business education.

467. **Desktop Publishing and Presentation Graphics.** 3 hrs. Office based microcomputer production of typeface/graphics enhanced media, designed to be both pleasing in appearance and effective in communication.

475. **Legal Secretaryship.** 3 hrs. A course stressing the professional aspects of legal practices, procedures, and terminology.

476. **Medical Office Procedures and Records Management.** 3 hrs. Prerequisite: BED 102. Emphasis on the professional aspects of the work of a medical secretary.

477. **Medical Transcription.** 3 hrs. Emphasis on medical terminology, records, and forms, with limited transcription.

478. **Advanced Medical Transcription.** 3 hrs. Prerequisite: BED 477. Emphasis on additional medical terminology, with increased emphasis on transcription.

479. **Review for the Certified Professional Secretary Examination.** 3 hrs. Prerequisites: Typewriting skill. A course to prepare persons for the Certified Professional Secretary Examination. Not to be counted toward any degree at the University of Southern Mississippi.

480. **Organizational Communication.** 3 hrs. Prerequisites: ENG 101, 102, and junior standing. A study of the role of communication in business organizations and the application of communication theory to the solution of communication problems in organizations.

485. **Administrative Office Management and Procedures.** 3 hrs. Prerequisite: Junior standing. A study of the management of the electronic office emphasizing computerized office procedures.

492. **Special Problems in Business Education.** 1-3 hrs. Study approved and directed by the department chair. (Students undertaking a Senior Honor Project will enroll in BED H492.)

*Prerequisite for all typewriting and shorthand courses—Grade of **C** or better in the preceding course or equivalent coursework.

CHEMISTRY AND BIOCHEMISTRY (CHE—320)

100. **Introductory Chemistry.** 3 hrs. Prerequisite: High school algebra or MAT 101, either of which may be taken concurrently. A preparatory course (for CHE 101) in chemical fundamentals; does not satisfy core requirements in any academic college.

101. **General Chemistry I.** 3 hrs. Prerequisites: High school chemistry or CHE 100; high school algebra or MAT 101, which may be taken concurrently. Molecular structure, stoichiometry, the mole concept, types of solutions, energy-enthalpy. (JC 1213, 1214)

\+ 101-L. **General Chemistry I Laboratory.** 1 hr. A laboratory designed to accompany CHE 101. Concurrent registration in CHE 101 is required. (JC 1211)

102. **General Chemistry II.** 3 hrs. Prerequisites: CHE 101 and MAT 101. Gases, kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry, coordination compounds. (JC 1223, 1224, 1225)

\+ 102-L. **General Chemistry II Laboratory.** 1 hr. A laboratory designed to accompany CHE 102. Concurrent registration in CHE 102 is required. (JC 1221)

104. **Chemistry, Principles and Applications.** 3 hrs. Corequisite: CHE 104L. For nonscience majors. Emphasis on the impact of chemical discovery and technology on the individual and society. This course does not satisfy core requirements in the College of Science and Technology or the Schools of Nursing and Home Economics.

\+ 104-L. **Chemistry, Principles and Applications Laboratory.** 1 hr. Corequisite: CHE 104. The laboratory designed to accompany CHE 104.

231. **Descriptive Inorganic Chemistry.** 2 hrs. Corequisites: CHE 102, 102L. Chemistry of the elements emphasizing the synthesis, structure, reactions and periodic trends of inorganic compounds.

251. **Elementary Organic Chemistry.** 3 hrs. Prerequisite: CHE 101: Corequisite: CHE 251-L. A course which includes nomenclature and reactions of aliphatic and aromatic hydrocarbons, acids, aldehydes, ketone, and amines, and stereochemistry. (JC 2413)

\+ 251-L. **Elementary Organic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 251. Concurrent registration in CHE 251 is required. (JC 2411)

255. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 102. Aliphatic compounds: nomenclature, reaction mechanisms, sterochemistry. (JC 2423)

\+ 255-L. **Organic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 255. Concurrent registration in CHE 255 is required. (JC 2421, 2422)

256. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 255. Aromatic compounds, acids, acid derivatives, aldehydes, ketones, amines, phenols, and spectroscopic analysis. (JC 2433, 2434, 2435)

\+ 256-L. **Organic Chemistry Laboratory.** 2 hrs. A laboratory designed to accompany CHE 256. Concurrent registration in CHE 256 is required. (JC 2431, 2431)

300. **Chemical Safety.** 3 hrs. Prerequisite: CHE 251 or 256 or permission of the instructor. hazards of various commonly used chemicals. Includes 3 hours of laboratory per week.

\+ 310-L. **Analytical Chemistry Laboratory.** 1 hr. A laboratory for medical technology and life science majors. Must be taken concurrently with CHE 311.

311. **Analytical Chemistry.** 3 hrs. Prerequisite: CHE 102. Chemical equilibrium. Gravimetric and columetric analysis. Introductory instrumental analysis.

\+ 311-L. **Analytical Chemistry Laboratory.** 2 hrs. A laboratory designed to accompany CHE 311. Concurrent registration in CHE 311 is required.

321. **Elementary Biochemistry.** 3 hrs. Prerequisite: CHE 251. A one-semester course in biochemistry.

\+ 321-L. **Elementary Biochemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 321. Concurrent registration in CHE 321 is required.

322. **Clinical Biochemistry.** 3 hrs. Prerequisite: CHE 321. A course designed to acquaint the student with the biochemical basis for clinical diagnosis.

361. **Survey of Physical Chemistry.** 4 hrs. Prerequisites: CHE 311 and one of MAT 314, 168 or 178. Gas laws, kinetics, chemical thermodynamics, electrochemistry, quantum mechanics and spectroscopy.

400. **Chemical Literature.** 2 hrs. Prerequisites: CHE 256 and 311. The selection and use of the reference materials of chemistry: periodicals, journals, texts, patents, and other sources of information.

403. **Industrial Chemistry.** 3 hrs. Prerequisite: Permission of the instructor. Important processes used in industry. Invited industrial representatives and plant visits keep the topics current and useful.

404. **Spectral Elucidation of Structure.** 3 hrs. Prerequisite: Permission of the Instructor. Applications of vibrational, electronic, nuclear magnetic resonance, and mass spectrometry to structure determination.

406. **Modern Chemical Problem Solving I.** 3 hrs. Prerequisite: Permission of instructor. Techniques of solving relevant problems relating to quantitative aspects of chemical reactions.

407. **Modern Chemical Problem Solving II.** 3 hrs. Prerequisite: Permission of instructor. Solving problems relating to chemical dynamics, periodicity, and bonding.

409. **Chemistry Laboratory Teaching.** 1 hr. Prerequisite: Permission of instructor. Instruction and practice for teaching assistants in the academic chemistry laboratory.

410. **Safety Principles and Procedures in the Chemical Sciences.** 1 hr. Prerequisite: CHE 256 or permission of instructor. Common laboratory hazards and their remediation. (May be taken as PSC 410.)

411. **Instrumental Analysis.** 3 hrs. Prerequisite: CHE 462. Theory and practice of instrumental methods of analysis; absorption spectroscopy, chromatography, magnetic resonance, mass spectroscopy, electro-metric methods and fundamental electronics.

\+ 411-L. **Instrumental Analysis Laboratory.** 1 hr. Corequisite: CHE 411. A laboratory designed to accompany CHE 411.

421. **Biochemistry I.** 3 hrs. Prerequisite: CHE 256. The properties of amino acids, proteins, carbohydrates, lipids, and nucleic acids; actions of enzymes and protein synthesis.

\+ 421-L. **Biochemistry I Laboratory.** 1 hr. Corequisite: CHE 421. An optional laboratory course to accompany CHE 421.

422. **Biochemistry II.** 3 hrs. Prerequisite: CHE 421. Major metabolic pathways with emphasis on energy considerations and interrelationships of the pathways.

\+ 422-L. **Biochemistry II Laboratory.** 1 hr. Prerequisite: CHE 421L. Corequisite: CHE 422. A continuation of CHE 421L.

423. **Analytical Biochemistry.** 3 hrs. Prerequisite: CHE 421. A survey of methods used by biochemists to detect and characterize biologically important molecules.

431. **Inorganic Chemistry.** 3 hrs. Prerequisite: CHE 462. Electronic state transitions and spectra, coordination chemistry, reaction kinetics and mechanisms, special topics.

431-L. **Inorganic Chemistry Laboratory.** 1 hr. Corequisite: CHE 431. A laboratory designed to accompany CHE 431.

432. **Descriptive Inorganic Chemistry.** 3 hrs. Prerequisite: CHE 431. Models, concepts, bonding and periodic trends in inorganic chemistry, special topics.

441. **Applications of Nuclear Techniques.** 4 hrs. Prerequisite: CHE 102. Radiation detection, shielding and handling, tracer methods, radioactive decay calculations. Includes 3 hours of laboratory per week.

451. **Qualitative Organic Analysis.** 4 hrs. Prerequisite: CHE 256. The systematic identification of pure organic compounds and the analysis of mixtures. Includes 6 hours of laboratory per week.

461. **Physical Chemistry.** 3 hrs. Prerequisites: CHE 256, PHY 202 or 112, and MAT 168 or 178. Corequisite: CHE 311. Chemical thermodynamics.

\+ 461-L. **Physical Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 461. Concurrent registration in CHE 461 is required.

462. **Physical Chemistry.** 3 hrs. Prerequisites: CHE 256, 311; PHY 202 or 112; MAT 168 or 178. Kinetics and quantum chemistry.

+ 462-L. **Physical Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 462. Concurrent registration in CHE 462 is required.

494. **Industrial Internship in Chemistry.** Prerequisite: Permission of faculty. Structured experience in chemical industry. Includes final report. May be substituted for CHE 496.

496. **Special Projects.** 1-3 hrs. Prerequisite: CHE 462 and permission of faculty. A senior level research problem performed under the direction of a faculty adviser and terminated by a formal written report. (Students undertaking a Senior Honors Project will enroll in CHE H496.)

+ 496-L. **Special Projects Laboratory.** 1-3 hrs. A laboratory designed to accompany CHE 496. (Students undertaking a Senior Honors Project will enroll in CHE H496-L.)

CHILD DEVELOPMENT (CD—805)

350. **Child Development.** 3 hrs. Designed to create interest in preschool children and to foster understanding of their development and behavior patterns. Includes weekly laboratory experiences.

352. **Behavior and Guidance of the Young Child.** 3 hrs. Developmental behavior patterns and guidance principles for preschool children. Includes weekly laboratory experiences.

359. **Preschool Teachers' Workshop I, II, III.** 1 hr. For teachers, administrators, and educational leaders of preschool centers with emphasis on administration, curriculum, and other appropriate subjects.

450. **Administration of Programs for Preschool Children.** 3 hrs. Prerequisite: 3 hrs. in Child Development. Evaluation of policies and procedures, organizational structure, and management will be emphasized.

451. **Infant Development.** 3 hrs. Emphasis is given to the development and behavior of the infant. Includes weekly laboratory experiences. Supervised experiences included.

452. **Child Development Methods and Materials.** 3 hrs. Provisions are made to evaluate and select materials for use in developing teaching techniques and planning play activities for children. Includes weekly laboratory experiences.

453. **Creative Activities for the Preschool Child.** 3 hrs. A study of creative activities for preschool children. Includes weekly laboratory experiences.

455. **Supervised Participation.** 6 hrs. Prerequisite: CD 452. Directed participation in programs for young children.

459. **Symposium in Child Development.** 3 hrs. Prerequisite: Consent of instructor. A study of theories and recent research used in preschool education.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem-solving regarding issues of importance in improving the quality of human life.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. (var) Specalized study and skill acquisition in the area of developmental disabilities. Topics vary.

492. **Special Problems in Child Development.** 1-4 hrs. Prerequisites: CD 350 and consent of instructor. (Students undertaking a Seniors Honors Project will enroll in CD H492.)

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

CLOTHING AND TEXTILES (CT—810)

121. **Fashion Fundamentals.** 3 hrs. An introduction of fashion merchandising with an overview of the fashion production and merchandising system.

131. **Basic Apparel Construction.** 3 hrs. Understanding and applying the fundamental principles of garment construction. (JC 1313)

220. **Professional Image and Dress.** 1 hr. A study of dress and appearance in developing a professional image.

221. **Fashion Modeling and Fashion Show Production.** 3 hrs. Basic principles of fashion modeling and fashion show production.

222. **Fashion Presentations.** 3 hrs. A study of fashion presentations and visual merchandising for different classifications of merchandise in the apparel, textiles, and accessories markets.

321. **Study Tour.** 1-6 hrs. Planned tour to market centers with emphasis on clothing, textiles, and fashion.

330. **Textiles I.** 3 hrs. A study of the production, properties, and performance of textile fibers and yarns.

331. **Evaluating Apparel Construction.** 3 hrs. Prerequisites: CT 131, 330, and 334. Utilization of elementary research principles applied to evaluation of sewn apparel products and their production methods related to cost, quality, performance, and appearance.

332. **Art of Dress.** 3 hrs. Prerequisite: ART 111 or ARE 207. Experiences in perceiving visual design elements and social psychological factors as they relate to dress.

333. **Advanced Apparel Construction.** 3 hrs. Prerequisites: CT 131 and 330 or 334. Application of advanced apparel construction techniques with emphasis on pattern alteration.

334. **Textiles II.** 3 hrs. Prerequisite: CT 330 recommended. A study of the production, properties, and performance of textile fabrication and finishes.

335. **Costume History.** 3 hrs. Prerequisites: HIS 101 and 102. Cultural and economic factors concurrent to the adoption and abandonment of dress from ancient times to the present.

337. **Evaluating Fashion Merchandise.** 3 hrs. Prerequisite: CT 331. Application of intermediate research principles and evaluation of specialized fashion merchandise categories in relation to variety, quality, market niche, and consumer demand.

421. **International Fashion Study.** 2-9 hrs. Planned study of international fashion centers with emphasis on clothing, textiles, and merchandising. May be repeated up to 9 hrs.

430. **Textile Product Evaluation.** 3 hrs. Prerequisites: CT 330, 331, 334, and 337, or approval of instructor. Principles and methodology of textile product evaluation with experience in planning, writing, conducting and interpreting evaluation studies.

431. **Tailoring.** 3 hrs. Prerequisite: approval of instructor. Principles and techniques of tailoring applied to men's and women's apparel.

432. **Textile Economics.** 3 hrs. Prerequisites: ECO 201 and CT 330, 334. A study of the economic principles involved in the production, distribution, and consumption of textile products.

433. **Flat Pattern Design.** 3 hrs. Application of flat pattern design techniques to the creation of dress designs.

434. **History of Decorative Textiles.** 3 hrs. Prerequisites: CT 330, 334 or approval of instructor. Historical and methodological study of applied and structural textile design.

435. **Merchandising Mathematics.** 3 hrs. Prerequisite: MKT 300. Basic principles and applications of merchandising mathematics as related to the fashion industry.

436. **Fashion Merchandising.** 3 hrs. Prerequisites: CT 121, 337, 435, and MKT 300. A study of the assignments, responsibilities, and practices of fashion buying and merchandising.

437. **Principles of Apparel Design and Production.** 3 hrs. Prerequisites: CT 331, 332 and 330 or 334. A study of the historical beginnings, the development and current methods used in the design and production of apparel and accessories. Lab emphasis is placed on fashion sketching.

439. **Retail Merchandising Internship.** 2-4 hrs. Prerequisites: CT 337, 435 and 436, MKT 300, and ENG 333. Understanding the operation and management of retail activities through a supervised work program in a cooperating apparel retail store. To qualify, students must have an overall 2.25 GPA. Approval must be obtained through an application form from the director of the School and the internship coordinator.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

478. **Seminar in Clothing and Textiles.** 1-6 hrs. Designed to examine pertinent issues and current trends in textiles and clothing.

492. **Special Problems.** 1-6 hrs. A directed individual study planned and approved by the chair of the department (Students undertaking a Seniors Honor Project will enroll in CT H492.)

COACHING AND SPORTS ADMINISTRATION (CSA—710)

195-L. **Introduction to Athletic Training.** 1 hr. An athletic training practicum for students not yet accepted into the athletic training program. Students are required to complete 60 hours of observation.

210. **Varsity Football.** 1 hr.

211. **Varsity Basketball.** 1 hr.

212. **Varsity Baseball.** 1 hr.

213. **Varsity Track and Field.** 1 hr.

214. **Varsity Tennis.** 1 hr.

215. **Varsity Golf.** 1 hr.

216. **Varsity Softball.** 1 hr.

217. **Varsity Volleyball.** 1 hr.

218. **Varsity Swimming and Diving.** 1 hr.

240. **Techniques of officiating Minor Sports.** 3 hrs. Personal skills and officiating techniques in varsity sports. To include track and field, swimming, golf, and tennis.

274. **Taping and Wrapping of Athletic Injuries.** 2 hrs. Practical taping and wrapping experiences consisting of observation and actual taping of all types of athletic injuries.

295-L. **Practicum - Athletic Training I.** 1-2 hrs. Prerequisites: BSC 250, BSC 251, CSA 195. Practical experience in athletic training with completion of specific competencies in training room procedure and injury management.

296-L. **Practicum - Athletic Training II.** 1-2 hrs. Prerequisites: CSA 274, 295L, 370. Practical experience in athletic training with completion of specific competencies in taping, equipment fitting, and emergency procedures.

300. **Foundations and Trends in Athletics and Coaching.** 3 hrs. The role of athletics in society. The sociological, cultural, and ethical dealings with athletics as it relates to coaching.

303. **Organization and Administration of High School Athletics.** 3 hrs. The organizational and administrative procedures of major and minor sports programs.

320. **Basic Techniques of Coaching Football.** 3 hrs. The study of offensive and defensive fundamentals. The philosophies, terminology, strategy, and individual techniques used in football.

321. **Basic Techniques of Coaching Basketball.** 3 hrs. A study of basketball fundamentals. The history, philosophy, terminology, strategy, and individual techniques of basketball.

322. **Coaching Wrestling.** 2 hrs. Fundamentals of coaching wrestling as it relates to the selection of personnel, skills, and proper training procedures.

323. **Coaching Volleyball.** 2 hrs. Fundamentals of coaching volleyball as it relates to the selection of personnel, skills, and proper training procedures.

340. **Coaching Golf.** 2 hrs. Theoretical and practical approach to golf instruction. Course planning and maintenance, rules and etiquette, and tournament administration.

341. **Coaching Tennis.** 2 hrs. Techniques of coaching tennis. Construction and maintenance of tennis courts. Organization and administration of a tennis program.

360. **The Organization and Administration of Aquatics.** 3 hrs. Community and school swimming programs, pool operation, maintenance, and sanitation.

361. **Coaching Swimming and Diving.** 3 hrs. Fundamental principles involved in swimming and diving. Selection and placement of personnel, practice schedules, and training techniques.

363. **Emergency Water Safety.** 2 hrs. Prerequisite: Proficiency in swimming. American Red Cross Emergency Water Safety Certification awarded upon completion.

364. **Lifeguard Training.** 3 hrs. Lifeguard techniques for pool, beach, waterfront. ARC Lifeguard Training Certification.

365. **Lifeguard Training Instructor.** 2 hrs. Corequisite: CSA 364 or instructor approval. Teaching lifeguard techniques. ARC Lifeguard Training Instructor Certification.

370. **Prevention and Care of Athletic Injuries.** 3 hrs. Prerequisite: BSC 250. Theory and practice for the prospective trainer and coach.

372. **Athletic Therapy Modalities.** 2 hrs. Prerequisite: CSA 370. The theory and operation of the most commonly used therapeutic devices of the training room.

372-L. **Athletic Therapy Modalities Laboratory.** 1 hr. Must be taken concurrently with CSA 372.

374. **Evaluation Techniques of Athletic Injuries I.** 3 hrs. Prerequisites: BSC 250 and CSA 370. A specialized course dealing with anatomy, injury symptoms, and specific tests to help make preliminary evaluation of injuries.

375. **Evaluation Techniques of Athletic Injuries II.** 3 hrs. Prerequisites: BSC 250 and CSA 370. A specialized course in initial clinical evaluation of athletic injuries, emergency care procedures, and training room administration.

376-L. **Practicum - Training Room I.** 1-3 hrs. Prerequisites: CSA 296L, 370. Practical training room experiences and completion of specific competencies related to athletic injuries. (Part I)

377-L. **Practicum - Training Room II Laboratory.** 1-3 hrs. Prerequisite: CSA 376L. Practical training room experience and completion of specific competencies related to athletic injuries. (Part II)

378. **Rehabilitation of Sports Injuries.** 2 hrs. Prerequisites: BSC 250 and CSA 370. The objectives and principles used to restore injured athletes to their pre-injury level of fitness, including proper use of equipment, exercise, and flexibility.

378-L. **Rehabilitation of Sports Injuries Laboratory.** 1 hr. Practical experience in the objectives and principles used to restore athletes to pre-injury level of fitness. Must be taken concurrently with CSA 378.

402. **Competitive Sports for Children and Youth.** 3 hrs. An analysis of the organization, administration, trends, and effects of competitive sports for children and youth.

403. **Coaching the Female Athlete.** 3 hrs. An analysis and evaluation of the strategies, theories, and research methods that dominate the scientific study of women in sport and practical applications.

404. **Equipment and Facilities for Competitive Athletics.** 3 hrs. The planning and administration of facilities to include purchasing, care, and inventory of equipment.

405. **Governing Agencies for Competitive Athletics.** 3 hrs. An indepth study of the governing agencies related to the administration and control of athletic competition.

409. **Psychological and Sociological Aspects of Coaching.** 3 hrs. The analysis and study of human behavior patterns as they relate to athletics.

420. **Techniques of Officiating Sports.** 3 hrs. Personal skills and officiating techniques of sports.

421. **Advanced Techniques of Coaching Football.** 3 hrs. Player selection, offensive and defensive formations, and game organization and strategy.

422. **Advanced Techniques of Coaching Basketball.** 3 hrs. The criteria of player selection with emphasis on the area of theory, principles, and techniques of offensive and defensive planning and strategy.

423. **Coaching Baseball.** 3 hrs. The study of advanced techniques of baseball. Emphasis placed on player selection and placement, team organization, and game strategy.

424. **Coaching Track and Field.** 3 hrs. Selecting personnel, fundamentals, and training techniques.

425. **Field Experience in Officiating Competitive Athletics.** 3 hrs. Prerequisites: CSA 240 and CSA 420. To provide an opportunity for practical experience in officiating competitive athletics.

426. **Coaching Soccer.** 3 hrs. Fundamentals of coaching soccer as it relates to the selection of personnel, philosophy, skills and proper training procedures.

460. **Water Safety Instructor's WSI.** 3 hrs. Prerequisite: CSA 363. Knowledge and skills beyond the scope of Advanced Life Saving; certifying personnel to conduct water safety courses in schools and communities.

470. **Assessment and Development of Athletic Attributes.** 3 hrs. The development and administering of strength, endurance, flexibility, reaction, speed, and agility programs.

471. **Practice Organization, Scouting, and Communication Techniques.** 3 hrs. Daily practice plans. Scouting techniques, cinematography, instructional materials, techniques and equipment for coaches.

472-L. **Field Experience in Athletic Training.** 3 hrs. Prerequisite: CSA 475. Practical experience dealing with problem situations in the athletic training setting.

473. **Practicum in Coaching and Sports Administration.** 1-6 hrs. Provision of experiences in the unique phases of the Department of Coaching and Sports Administration program.

475. **Medical Aspects of Athletic Training.** 3 hrs. Prerequisite: CSA 373, 374, 375. Team physician and trainer relationships. Physical examination, emergency equipment, medical terminology, and problems related to the team doctor.

477. **Seminar in Sports Medicine.** 3 hrs. Prerequisite: CSA 475. A study of modern methods and techniques utilized in sports medicine as it relates to coaches, trainers, and team physicians.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

COMMUNITY HEALTH SCIENCES (CHS—750)

101. **Personal Wellness.** 3 hrs. An examination of the relationships of various lifestyle components to various levels of wellness. (JC 1213)

210. **Introduction to Health Education.** 3 hrs. A study of the health education profession, specialties, manpower, and philosophies.

321. **Community Health.** 3 hrs. Community control of environmental health hazards and diseases' health agencies.

341. **Safety.** 3 hrs. Accident problems, safety programs, and methods of prevention.

408. **Health Education Methods.** 3 hrs. A survey of teaching methods that are appropriate for health education program delivery.

409. **Community Health Education Planning.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. Diagnostic phases preceding program development, skills in planning, organization, and implementation of health education programs in the community.

410. **School Health Education Planning.** 3 hrs. Diagnostic phases preceding program development, skills in planning, organization, and implementation of school health education programs.

411. **Health Education Curriculum for Secondary Schools.** 3 hrs. Varieties of curriculum organization, scope and sequence, survey of education content, facilities and equipment.

412. **Measurement and Evaluation in Health Education.** 3 hrs. Prerequisite: CHS 409 or 410. A survey of evaluation instruments for appraising and interpreting health data.

414. **Consumer Health.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. A survey of consumer problems related to health misconceptions, choosing health services, medical quackery, and advertising of health products.

420. **Communicable and Chronic Disease in Man.** 3 hrs. Prerequisites: CHS 210 or permission of instructor. Problems, control, and prevention of communicable and chronic disease in modern society.

421. **Sanitation.** 3 hrs. Prerequisites: CHS 210 or permission of instructor. Sanitation in the home and school, in food production, water supply, waste, and excreta disposal.

422. **Drugs and the Whole Person.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. Psychosocial, medical, legal, and health aspects of drugs and their abuse.

425. **Health Administration.** 3 hrs. An introduction to health program administration including organization, financing, delivery systems, and manpower development.

426. **Health Education Concerns in Special Populations.** 3 hrs. Health education concerns of special risk group such as the elderly, the poor and minority groups.

427. **Health Policy.** 3 hrs. The role of the health educator in the development of public health policy, influencing social policy, and planning for social change.

430. **Human Sexuality.** 3 hrs. Physical, emotional, and social aspects of human sexuality.

431. **Sexuality Education.** 3 hrs. Prerequisites: CHS 210 or permission of instructor. Theory, methods, materials for planning, organizing, and implementing sexuality in school and community settings.

432. **Introduction to Epidemiology.** 3 hrs. Concepts and methods of epidemiology as applied to a variety of health related problems.

436. **Stress Management Techniques.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. To acquaint students with educational programming related to stress management with specific techniques to manage stress.

437. **Health Education in Clinical Settings.** 3 hrs. Analysis of the role, methods, and technology of health education pertaining to health care clinics and patient education.

438. **Workplace Health Promotion.** 3 hrs. Study of health education theory and practice as applied to occupational health.

440. **Introduction to Biostatistics.** 3 hrs. Introduction to statistical analysis in health related fields. Application of descriptive and inferential statistics, measures in epidemiology and health services research.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

490. **Special Topics.** 1-3 hrs. A comprehensive study of a selected health science area in which students will evaluate current state of knowledge and apply theory and concepts to construct strategies within their own professional area.

492. **Special Problems.** 3 hrs. A student originated problem, research plan, and reporting of results, with guidance of a chosen adviser.

493. **Practicum.** 6 hrs. Prerequisite: CHS 437 or 438. Available to health education majors only. Practical experience in the delivery of health education programs.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

COMPUTER ENGINEERING TECHNOLOGY (CET—325)

323. **Applied Discrete Transforms for Engineering Technology I.** 3 hrs. Prerequisite: MAT 137. Linear discrete time, signals, and system analysis; analysis of system response using convolution-summation and z-transform techniques.

324. **Applied Discrete Transforms for Engineering Technology II.** 3 hrs. Prerequisite: CET 323. System transfer functions, system response analysis, digital filter design, state-space system representation.

370. **Hardware Systems.** 3 hrs. Corequisite: CET 370L. Design, analysis and implementation of digital logic systems with emphasis on circuit construction and verification.

\+ 370-L. **Hardware Systems Laboratory.** 1 hr. Corequisite: CET 370.

437. **Microprocessor and Programmed Logic.** 4 hrs. Prerequisites: CET 471, 471L. Microprocessor architecture and operation. Semiconductor RAM. Programmed hardware concepts.

470. **Digital Systems I.** 3 hrs. Prerequisite: CET 370, 370L. Corequisite: CET 470L. Analysis and synthesis of combinational and sequential circuits. Structured computer organization.

\+ 470-L. **Digital Systems I Laboratory.** 1 hr. Corequisite: CET 470.

471. **Digital Systems II.** Prerequisite: CET hrs. 470. Corequisite: 471L. Architectural organization of digital systems, microprogramming.

+ 471-L. **Digital Systems II Laboratory.** 1 hr. Corequisite: CET 471.

474. **Switching Circuits.** 3 hrs. Prerequisite: CET 370. Fundamentals of synchronous and asynchronous sequential circuits.

477. **Process Control Systems.** 3 hrs. Prerequisites: CET 324 and 471. Fundamentals of process control systems and analysis.

478. **Digital Control Systems.** 3 hrs. Prerequisites: 477. Corequisite: CET 478L. Design of systems incorporating a computer as an on-line element. Design of control algorithms and optimal control techniques.

+ 478-L. **Digital Control Systems Laboratory.** 1 hr. Corequisite: CET 478.

487. **Introduction to VLSI Systems.** 3 hrs. Prerequisites: ELT 211, CET 474 and 437. Integrated circuit fabrication, interactive layout patterning, using system clocks and timing algorithms.

492. **Special Problems.** 1-4 hrs.

COMPUTER SCIENCE (CSC—333)*

101. **Computer Science I.** 3 hrs. Corequisite: CSC 101-L. Problem-solving, algorithm development, computer programming, overview of computer science.

+ 101-L. **Computer Science I Laboratory.** 1 hr. Corequisite: CSC 101.

102. **Computer Science II.** 3 hrs. Prerequisite: CSC 101, 101L. Corequisite: CSC 102L. Continuation of CSC 101 with emphasis on programming style and algorithm analysis.

+ 102-L. **Computer Science II Laboratory.** 1 hr. Corequisite: CSC 102.

203. **Introduction to Computer Systems.** 3 hrs. Prerequisite: CSC 102, 102L. Corequisite: CSC 203L. Computer systems and architecture, assembler language programming.

+ 203-L. **Computer Systems Laboratory.** 1 hr. Corequisite: CSC 203.

204. **Introduction to Computer Organization.** 3 hrs. Prerequisites: CSC 102, 102L, MAT 179. Corequisite: CSC 204L. Fundamentals of logic design, organization and structuring of computer hardware components, mechanics of information transfer and control within a digital computer system.

+ 204-L. **Computer Organization Laboratory.** 1 hr. Corequisite: CSC 204.

205. **Introduction to File Processing.** 3 hrs. Prerequisites: CSC 102, 102L. Concepts of structuring data on bulk storage devices, applications of data structures and file processing techniques.

306. **Operating Systems and Computer Architecture.** 3 hrs. Prerequisite: CSC 203, 204, 205. Corequisite: CSC 306L. Operating systems principles, relationships between operating system and computer architecture.

+ 306-L. **Operating Systems Laboratory.** 1 hr. Corequisite: CSC 306.

307. **Data Structures and Algorithm Analysis.** 3 hrs. Prerequisites: CSC 205, MAT 326 and MAT 340. Algorithm analysis and design, data manipulation in the environment of a database management system, nonnumeric algorithms which act on data structures.

308. **Organization of Programming Languages.** 3 hrs. Prerequisite: CSC 307. Runtime behavior of programs, formal specification and analysis of programming languages.

309. **Computers and Society.** 3 hrs. Concepts of social value, social impact of professional activity, the social impact of computers.

410. **Operating Systems and Multi-processing.** 3 hrs. Prerequisites: CSC 306, 306L, 308, MAT 420. Corequisite: CSC 410L. Continuation of CSC 306. Emphasis on intra-system communication.

+ 410-L. **Operating Systems and Multi-processing Laboratory.** 1 hr. Corequisite: CSC 410.

411. **Database Management Systems Design.** 3 hrs. Prerequisites: CSC 306, 307. Design and implementation of DBMS. Survey of research literature.

412. **Introduction to Artificial Intelligence.** 3 hrs. Prerequisite: CSC 308. Concepts and techniques of intelligent systems. Survey of research literature.

413. **Algorithms.** 3 hrs. Prerequisite: CSC 308. Design and analysis of algorithms. Complexity theory.

414. **Software Design and Development.** 3 hrs. Prerequisite: CSC 308. Formal software development. Team Projects.

415. **Theory of Programming Languages.** 3 hrs. Prerequisite: CSC 308. Formal treatment of programming language translation and compiler design concepts.

* A grade of C or better is required for all prerequisite courses listed in this section.

COMPUTER SCIENCE AND STATISTICS (CSS—330)*

+ 100. **Introduction to Computing.** 3 hrs. Personal computer concepts, uses of computers in society, introduction to software packages for word processing, data management, spread sheets, graphics, and introduction to programming using BASIC. (JC 1113)

211. **Statistical Methods I.** 3 hrs. Prerequisite: MAT 101. Sampling and sampling distributions: normal and binomial, measures of central tendency and dispersion hypothesis testing. (JC-BAD 2323)

212. **Statistical Methods II.** 3 hrs. Prerequisite: CSS 211. Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

+ 240. **FORTRAN Programming.** 3 hrs. Techniques of programming using the FORTRAN 77 language. (JC 2323)

+ 242. **Fundamentals of Cobol.** 3 hrs. Prerequisite: CSS 330. Logic design and fundamental Cobol concepts for business majors. May not be taken by computer science majors.

+ 320. **Introduction to Linear Programming Techniques.** 3 hrs. Prerequisite: MAT 103. Formulation of models, graphical solutions, simplex method, two-phase technique, duality, convexity, simultaneous linear equations, vector spaces.

+ 330. **Introduction to Programming.** 3 hrs. Structured programming, step-wise refinement, introduction to Pascal. Students may not apply both CSS 330 and CSC 101 toward a degree.

+ 340. **Advanced Computing Programming.** 3 hrs. Prerequisite: CSS 330 or equivalent. Structured Programming and an in-depth study of Pascal. Students may not apply both CSS 340 and CSC 102 toward a degree.

+ 342. **Introduction to COBOL Programming.** 3 hrs. Prerequisite: CSS 340. Programming of problems using the COBOL language.

343. **C Programming.** 1 hr. Prerequisite: CSS 350. Techniques of programming using the C language.

+ 350. **Data Structures.** 3 hrs. Prerequisite: CSS 340. Data structures and algorithms for their manipulation. Lists and arrays; stacks, queues, deques, tree structures; elementary sorting and searching routines. Students may not apply both CSS 350 and CSC 102 toward a degree.

+ 400. **Introduction to Computer Education.** 3 hrs. Designed as a first course for educators who plan to teach about and/or use computers. Problem solving, programming, current topics and administrative uses. Cannot count toward a degree in Computer Science.

402. **Structured Basic Programming.** 3 hrs. Prerequisite: CSS 400. Technical presentation of BASIC with scientific problem solving, algorithms and an introduction to data structures. Cannot count toward a degree in Computer Science.

403. **Authoring Systems for Computer Based Learning.** 3 hrs. Prerequisite: CSS 400. Developing computer based instructional modules utilizing the authoring system approach. Cannot count toward a degree in Computer Science.

415. **Methods of Mathematical Statistics I.** 3 hrs. Prerequisite: MAT 168. Introduction to probability, random variables, mathematical expectation, sampling distributions, confidence intervals and hypothesis testing on single populations.

416. **Methods of Mathematical Statistics II.** 3 hrs. Prerequisite: CSS 415. Confidence intervals and hypothesis testing on two or more populations, analysis of variance models, regression analysis.

417. **Experimental Design.** 3 hrs. Prerequisite: CSS 416. Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

418. **Sampling Methods.** 3 hrs. Prerequisite: CSS 415. The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

420. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 168 and CSS 240. Numerical solution to transcendental equations, systems of linear and non-linear equations. Milne's method, Runge-Kutta method.

+ 422. **Operations Research.** 3 hrs. Prerequisite: CSS 320. Transportation problem, assignment problem, PERT/CPM, networks, integer programming.

+ 425. **Computer Graphics Design.** 3 hrs. Corequisite: CSS 343. Prerequisite: one semester of calculus. Theory, design and use of computer graphic systems.

+ 426. **Computer Aided Design.** 3 hrs. Prerequisite: CSS 425. Design of man-machine interaction.

+ 430. **Software Engineering I.** 3 hrs. Prerequisite: CSS 350. Overview of software developments, project management programming style, testing, debugging and other topics.

431. **Software Engineering II.** 3 hrs. Prerequisite: CSS 430. Programming languages and software design, modular/object oriented design, team programming, human factors, case studies.

+ 435. **Simulation and Modeling.** 3 hrs. Prerequisites: CSS 211 or 415 and 240 or 330. Constructing models of discrete stochastic systems, systems dynamics. Use of a simulation package.

+ 442. **Information Systems.** 3 hrs. Prerequisite: CSS 342. Methods of system analysis, data acquisition, file structures, terminal selection, use of flowcharts and decision tables.

+ 460. **Computer Software I.** 3 hrs. Prerequisites: CSS 341, 350. Assemblers and loaders.

+ 480. **Conventional Data Base Management Systems.** 3 hrs. Prerequisites: CSS 342 and 350. Design and implementation of DBMS. Detailed study of hierarchical, network (CODASYL-DBTG), and inverted structures.

+ 481. **Relational Data Base Management Systems.** 3 hrs. Prerequisites: CSS 480. Theory of relational systems, comparison of relational and conventional systems, use of state-of-the-art relational systems such as ORACLE.

485. **Information Retrieval in the U.K.-Theory.** 3 hrs. Prerequisites: CSS 342 and permission of instructor. A study of British information processing systems.

486. **Information Processing in the U.K.-Applications.** 3 hrs. Prerequisites: CSS 485 and permission of instructor. Design of information processing systems.

490. **Computer Science Seminar.** 1 hr. Arr. Presentation of technical topics in the field.

492. **Computer Science Problems I.** 3 hrs. Prerequisite: Senior standing. Solution of problems germane to a select area of study.

493. **Computer Science Problems II.** 3 hrs. Solution of problems germane to a select area of study.

* A grade of C or better is required for all prerequisite courses listed in this section.

CONSTRUCTION ENGINEERING TECHNOLOGY (BCT—393)

101. **Construction Practices I.** 2 hrs. Basic construction techniques, tools and equipment, and job planning analysis used in residential projects.

+ 205. **Surveying.** 3 hrs. Prerequisite: MAT 103. Theory and practice in use of instruments for measuring distances, angles, etc., as applied in architecture and construction.

235. **Building Systems I.** 3 hrs. Prerequisites: ACT 132, ACT 204. Residential building systems with emphasis on materials integration, methods of construction and constructional detailing.

307. **Construction Equipment.** 2 hrs. Prerequisite: GLY 101. Construction equipment selection and utilization for commercial and heavy-highway construction.

336. **Building Systems II.** 3 hrs. Prerequisite: BCT 235. Commercial building systems with emphasis on materials integration, methods of construction and building codes.

358. **Construction Planning and Scheduling.** 3 hrs. Prerequisite: BCT 336. Critical Path Method (CPM) as a project planning, scheduling, and monitoring technique.

374. **Construction Organization.** 3 hrs. Prerequisite: GBA 295. Analysis of contracting functions and management concepts.

375. **Construction Safety.** 2 hrs. Development and management of accident prevention programs in construction.

392. **Special Problems.** 1-3 hrs. arr. Prerequisites: Junior standing and approval of faculty adviser.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

444. **Concrete and Formwork Design.** 3 hrs. Prerequisite: ACT 342. Design of reinforced concrete structural members and systems. Concrete formwork design and cost analysis.

445. **Soils and Foundations.** 3 hrs. Prerequisites: ACT 342. Theory and application of soil mechanics to foundation design and construction.

454. **Estimating I.** 3 hrs. Prerequisites: BCT 336. Material quantity survey techniques used in estimating costs of construction projects.

455. **Estimating II.** 3 hrs. Prerequisite: BCT 454. Determination of construction cost, bidding procedures, and analysis of job cost data.

476. **Construction Labor.** 3 hrs. Prerequisite: Senior standing. A study of construction labor resources, labor history, and governmental labor regulations.

477. **Construction Project Management.** 3 hrs. Prerequisite: Senior standing. Duties and responsibilities of a construction manager. Services provided by CM firms.

478. **Applications of Construction Law.** 3 hrs. Prerequisite: Senior standing. Analysis of construction law. Legal problems, the bidding process, the performance, the contract.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

COOPERATIVE EDUCATION (CED—099)

\+ 100. **Cooperative Education Work Term.** 0 hr.

COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPY—140)

101. **Foundations of Personal Development.** 3 hrs. An introduction to the principles of human development. Does not apply toward major requirements.

210. **Introduction to Social and Rehabilitation Services.** 3 hrs. An orientation via a review of relevant history, legal mandates, philosophy, objectives, and applied sciences.

301. **Introduction to Job Seeking.** 1 hr. To acquaint student with job seeking techniques including (a) development of an adequate resume and (b) the acquisition of job interview skills.

311. **Testing and Assessment.** 3 hrs. Introduction to basic assessment and evaluation techniques and application of these in rehabilitation settings.

312. **Counseling Theory and Practice.** 3 hrs. Emphasizes theories and principles undergirding the practical application of various helping techniques. Offered only with CPY 361.

313. **Vocational Development.** 3 hrs. An introduction to the study of vocational development, occupational structure, and job analysis.

330. **Principles and Processes of Case Management.** 3 hrs. This course focuses on the coordination of specific functional tasks associated with rehabilitation services.

331. **Medical Aspects of Rehabilitation.** 3 hrs. An introduction to the chronically disabling conditions both from the viewpoint of treatment processes and individual adjustment.

413. **Multicultural Counseling.** 3 hrs. Examines cultural diversity in North American society with focus on implications for counselors and mental health service providers.

423. **Group Procedures.** 3 hrs. Introduction to the fundamentals of developmental group work, with emphasis on individual behaviors in a group setting.

432. **Introduction to Community Resources.** 3 hrs. A study of the nature and development of agency resources within the community.

433. **Workshop in Counseling Procedures.** 3 hrs. A workshop to familiarize counselor personnel with new and innovative procedures in facilitating client development.

434. **Guidance of the Exceptional Child.** 3 hrs. A course to acquaint counselors and teachers with special considerations involved in providing guidance and child development services for exceptional children.

435. **Alcoholism and Drug Abuse Intervention.** 3 hrs. Intervention strategies in working with drug abusers with emphasis on the alcoholic.

436. **Behavioral Counseling.** 3 hrs. Examines and applies behavioral-oriented techniques used in counseling including desensitization, modeling, positive and negative reinforcement and assertive training.

462-463. **Social and Rehabilitation Services Field Practicum I, II.** 6 hrs. To be taken as an individual field practicum within an agency or facility.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. (var) Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

492. **Special Problems.** 1-3 hrs. (students undertaking a Seniors Honor Project will enroll in CPY H492.)

496. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

CRIMINAL JUSTICE (CJ—281)

200. **Introduction to Criminal Justice.** 3 hrs. An introduction to criminal law, criminological thought, and the operation of the criminal justice system. (JC-CRJ-1313)

325. **Criminal Justice Theory.** 3 hrs. A survey of major American and European theories of criminal justice.

330. **Criminal Law.** 3 hrs. A survey of applied substantive criminal law with emphasis on the most common criminal offenses.

331. **Criminal Court Practice.** 3 hrs. An indepth study of the criminal case within the several courts of the state and federal systems.

332. **Traffic Law.** 3 hrs. An analysis of prevailing traffic law and methods of enforcement.

341. **Police Methods and Organization.** 3 hrs. A survey of the organization and administration of the American police.

342. **Criminal Investigation.** 3 hrs. Prerequisite: CJ 330. An overview of the crime solving process with emphasis on methodology, corpus delecti, and evidence.

352. **Introduction to Modern Corrections.** 3 hrs. An overview of major correctional systems and methods of treatment of offenders.

353. **Law of Criminal Corrections.** 3 hrs. A survey of the newly emerging rights of detained and incarcerated individuals.

360. **Introduction to Juvenile Justice.** 3 hrs. A survey of the common law roots of juvenile law, the unfolding of case law in American history, and the development of the juvenile court and juvenile corrections.

370. **Crime Prevention.** 3 hrs. A survey of methods of protecting life and property in the community and in industry.

371. **Industrial Security.** 3 hrs. A study of industrial and governmental needs for protective services as applied to property and personnel with emphasis on principles.

400. **Criminal Justice Practicum.** 3, 6, or 9 hrs. Prerequisites: Major in Criminal Justice with junior or senior standing and with permission of the chair. Field work offering research and practice in a criminal justice agency.

420. **Methods of Criminal Justice Research and Planning.** 3 hrs. An indepth study of criminal justice planning, evaluation, and research.

425. **Major Theorists in Criminal Justice.** 3 hrs. An analysis of the great thinkers on criminal justice from Aristotle to the present.

426. **Comparative Criminal Justice Systems.** 3 hrs. A study of foreign criminal justice systems emphasizing possible reforms for the American system.

430. **Criminal Procedure.** 3 hrs. A study of the procedural rules for the judicial enforcement of substantive criminal law.

433. **Evidence, Search, and Seizure.** 3 hrs. Prerequisite: CJ 330. A study of foreign criminal justice systems emphasizing possible reforms for the American system.

440. **Police in the United States.** 3 hrs. An analysis of the organization and role of modern police agencies with emphasis on social, political, and economic impacts.

450. **Administration of Criminal Corrections.** 3 hrs. Prerequisite: CJ 352. An in-depth study of the administrative process in the correctional system.

451. **Probation, Parole, and Community Corrections.** 3 hrs. An examination of probation and parole systems and other alternatives to incarceration.

460. **Juvenile Justice.** 3 hrs. A study of the law concerning investigation of juvenile offenders, disposition of offenders, and juvenile courts.

461. **Juvenile Justice.** 3 hrs. An indepth study of the various treatment modalities currently employed.

462. **Comparative Juvenile Justice.** 3 hrs. Prerequisites: CJ360 or 460 or approval of professor. An intensive study of a limited number of topics in the juvenile justice systems of Europe offered through the Department's Overseas Studies Program.

463. **Family Law.** 3 hrs. A study of common law and statutory concepts of family relationships emphasizing legal remedies to crime in the family.

470. **Political Economy of Criminal Justice.** 3 hrs. An analysis of political and economic factors influencing the criminal justice system.

471. **Victims of Crime.** 3 hrs. An indepth study of criminal victimization concentrating on the victims of specific crimes and remedies for victimization.

480. **Seminar in Criminal Justice.** 3 hrs. An interdisciplinary seminar covering significant problem areas in the criminal justice system. Repeatable as topics vary.

489. **Caribbean Studies.** 3 hrs. Variable content, lectures, field exercises, and research offered abroad under the auspices of the Center for International Education.

492. **Special Problems.** 1-3 hrs. Prerequisites: Major in criminal justice with senior standing and permission by the chair. Supervised research in a specific field. (Students undertaking a Seniors Honor Project will enroll in CJ H492.)

497. **British Studies.** 3-9 hrs.

498. **British Studies: Comparative Criminal Jurisprudence.** 1-6 hrs. A comparative study abroad of criminal law, courts, and procedures.

499. **British Studies: Comparative Drug Law.** 3-6 hrs. A comparative study of the instructional responses to drug abuse and drug related criminal offenses.

CURRICULUM AND INSTRUCTION

ELEMENTARY EDUCATION (CIE—115)

099. **Developmental Reading.** 3 hrs. Required of all entering freshmen with a substandard ACT English or Reading. Does not satisfy any University core or degree requirements.

100. **Developmental Processes in Elementary Mathematics.** 1-5 hrs. A review of the fundamentals of elementary arithmetic, algebra, and geometry for preservice elementary teachers. This course cannot be used for degree requirements.

102. **Improvement of Study.** 1 hr. An analysis of effective study techniques. Useful for college students who wish to improve their own reading and study habits. May be taken three times for credit.

300. **Introduction to Elementary Education.** 3 hrs. An introduction course to include field experiences.

Enrollment in the following courses is restricted to students admitted to the Elementary Teacher Education Program or by special permission of the Department Chair.

301. **Methods and Materials in Elementary School Mathematics.** 3 hrs. Prerequisites: Show competence on the mathematics placement test or complete CIE 100; complete MAT 210. A course which utilizes modern strategies of psychology and methodology in elementary school mathematics on exploratory, structural, and mastery levels of learning.

305. **Social Studies in the Elementary Grades.** 3 hrs. Emphasis is on the social science interdisciplinary approach for content and methodology, problem solving, unit teaching, and thinking.

306. **Language Arts in the Elementary School.** 3 hrs. Emphasizes the methods and materials for teaching handwriting, creative writing, listening, speaking, and grammar in grades 1 through 8.

309. **Developing Skills in Reading.** 3 hrs. Develops competencies required in instructional and recreational reading and materials used to teach these skills in grades 1 through 8.

317. **Children's Literature.** 3 hrs. An introduction to children's primary literature in all forms, and a study of ways in which it is integrated into the curriculum for enrichment.

318. **Literature for the Middle School.** 3 hrs. A study of literature appropriate for use in grades 4 through 8 stressing effective use of literature in the school program.

343. **Methods and Materials in Elementary Education.** 3 hrs. Prerequisites: Completion of PSY 374; SPE 400; REF 400, 469; and corresponding mastery test. A general methods course which examines materials and methods of teaching pupils in grades K through 8.

401. **Dealing with Social Problems in the Classroom.** 3 hrs. Managing class activities and instruction to deal with social problems which affect children and adolescents. (Telecourse).

403. **Kindergarten—Primary Education.** 3 hrs. Prerequisite: CIE 407. A practicum designed to give teaching experiences in understanding the social, emotional, physical and cognitive growth and development of children.

407. **Strategies for Teaching Reading in the Elementary School.** 3 hrs. Prerequisites: CIE 306, and 309. A survey of the methods and approaches used to teach reading in the elementary school.

412. **Diagnosis and Remediation of Reading Disability for the Classroom Teacher.** 4 hrs. Prerequisite: CIE 407. Provides relevant practicum experiences in evaluation and gives extended opportunities in child tutoring appropriate to grades 2-8.

422. **Curriculum Development for Career Education.** 3 hrs. Introduction to principles of curriculum adaptation for school-based programs of career education.

425. **Early Childhood Education.** 3 hrs. A general methods course which examines materials and methods of teaching children in kindergarten through grade 3.

427. **Evaluation in Early Childhood Education.** 3 hrs. Emphasis is placed on evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children.

474. **Contemporary Educational Reform.** 1 hr. Prerequisites: Completion of PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. A study of Mississippi reform mandates, career issues, and legal aspects of teaching. (Also offered as CIS 474 for special area and secondary education majors)

475. **Assessment of Teaching.** 1 hr. Prerequisite: Completion of PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. Study of the structure, use, and administration of the MTAI. (Also offered as CIS 475 for special area and secondary education majors)

476. **Professional Development Seminar.** 3 hrs. Prerequisite: Concurrent enrollment in student teaching. A study of individual and group practices, interpersonal relations skills, and professional activities which foster professionalism. (Also offered as CIS 476 for special area and secondary education majors)

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. (var) Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

+ 480. **Student Teaching in Lower Elementary.** 12 hrs. Prerequisites: REF 400, CIE 300, 301, 305, 306, 309, 407, 425; EPY 370, 374; SCE 432. Students who student teach in kindergarten through grade 3 will register for this course.

+ 482. **Student Teaching in Upper Elementary.** 12 hrs. Prerequisites: REF 400, CIE 300, 301, 305, 306, 309, 343, 407; EPY 370, 374; SCE 432. Students who student teach in grades 4 through 8 will register for this course.

489. **Seminar in Elementary Student Teaching.** 6 hrs. Prerequisite: Permission of the Director of Student Teaching. Designed to meet the student teaching requirement for noncertified experienced teachers. This course deals with classroom management, programs of instruction, and student role in the educational environment.

490. **Workshop in Aviation Education.** 3 hrs. Designed to familiarize teachers and administrators with the role that aviation and space exploration play in developing the school curriculum. May be taken twice for a total of six hours.

491. **The Reading Conference.** 3 hrs. An intensive program consisting of lectures, group discussion, and demonstration lessons.

492. **Special problems.** 1-9 hrs. Prerequisite: Permission of the department chair. Provides the opportunity to pursue a special topic or area of interest. (Students undertaking a Seniors Honor Project will enroll in CIE H492.)

493. **Internship in the Elementary School.** 1-9 hrs. Prerequisite: Permission of the department chair. Reserved for those students who are enrolled in the internship program.

494. **Workshop in Learning Resources in Early Childhood Education.** 3 hrs. Students will become acquainted with learning sources, selection, use, and production multimedia materials.

496. **Projects in Elementary Education I, II, III.** 3 hrs. Designed for school systems planning local projects of curriculum revision and course of study construction.

497. **Teacher Certification Reinstatement.** 3 hrs. Prerequisite: Permission of instructor. Educational reform and research correlates of effective teaching, schools, and administration. (Also offered as CIS 497.)

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies in Education.** 3-6 hrs.

SECONDARY EDUCATION (CIS—120)

301. **Practicum in Secondary Education.** 1 hr. A course designed to relate the study of theory to practical experience in a public school setting. May be repeated twice.

302. **Strategies in Reading Grades 5-12.** 3 hrs. The course will focus on the basic teaching strategies for junior and senior high school reading programs. This course is for recertification only and cannot be counted toward any degree program. The course is offered through ETV.

310. **Junior-Senior High School Reading Methods.** 3 hrs. A course designed to familiarize secondary teachers with reading skills, methods, and materials. Emphasis is placed on content skills in subject matter areas.

313. **Principles of Teaching High School.** 3 hrs. This general methods course emphasizes the goals of secondary education, motivation and direction of learning, and school organization.

401. **Dealing with Social Problems in the Classroom.** 3 hrs. Managing class activities and instruction to deal with social problems which affect children and adolescents. (Telecourse)

422. **Curriculum Development for Career Education.** 3 hrs. Introduction to principles of curriculum adaptation for school-based programs of career education.

451*. **Methods in Business Education.** 3 hrs. A study of business education trends and aims, teaching procedures, tests and measurements, special helps, and teaching materials.

452*. **Methods in Art.** 3 hrs. Stresses the aims, objectives, and methods of art education in the elementary and secondary schools.

453*. **Methods in Industrial Arts.** 3 hrs. A course pertaining to the methods and materials in the teaching of industrial arts.

454*. **Methods in English—Secondary.** 3 hrs. A course concerning methods of teaching English in the junior and senior high schools.

455*. **Methods in Foreign Languages.** 3 hrs. A course in methods of teaching French, Spanish, and German in the secondary schools.

456*. **Methods in Teaching Science—Secondary.** 3 hrs. A course designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

457*. **Methods in Mathematics—Secondary.** 3 hrs. A course designed to give the student a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics. (Also offered as MAT 457).

458*. **Methods in Social Studies—Secondary.** 3 hrs. A study of the principal methods of teaching, application of psychological principles to teaching, and methods of selecting content and materials.

459*. **Methods in Speech Communication.** 3 hrs. A general orientation to the teaching of speech communication, followed by individualized unit work in the special fields of speech communication.

462*. **Methods and Principles in Health, Physical Education, and Recreation.** 3 hrs. Emphasizes materials and techniques of teaching health, physical education, and recreation in grades 1-12 of public schools.

465*. **Methods in Journalism.** 3 hrs. A course designed to prepare the student for the teaching of journalism on the secondary school level.

470. **Curriculum of the Secondary Schools.** 2 hrs. A course which examines the present day structure and nature of the secondary school curriculum.

472. **Student Activities in Secondary Schools.** 1 hr. Consideration is given to the general nature, activities, and organization of the student extra-curricular program.

474. **Contemporary Educational Reform.** 1 hr. Prerequisites: Completion of PSY 374, SPE 400, REF 469, and corresponding mastery test. A study of Mississippi reform mandates, career issues, and legal aspects of teaching. (Also offered as CIE 474 for elementary education majors)

475. **Assessment of Teaching.** 1 hr. Prerequisites: PSY 374, SPE 400, REF 400, REF 469, and corresponding mastery test. Study of the structure, use, and administration of the MTAI. (Also offered as CIE 475 for elementary education majors).

*Prerequisites: Completion of PSY 374; SPE 400; REF 400, 469; and corresponding mastery test.

476. **Professional Development Seminar.** 3 hrs. Prerequisite: Concurrent enrollment in student teaching. A study of individual and group practices, interpersonal relations skills, and professional activities which foster professionalism. (Also offered as CIE 476 for elementary education majors)

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

\+ 479. **Student Teaching in Dance.** 12 hrs.

\+ 480. **Student Teaching in Vocational Education.** 12 hrs.

\+ 481. **Student Teaching in Business Education.** 12 hrs.

\+ 482. **Student Teaching in Art Education.** 12 hrs. (Also offered as ARE 482).

\+ 483. **Student Teaching in Industrial Arts.** 12 hrs.

\+ 484. **Student Teaching in English.** 12 hrs.

\+ 485. **Student Teaching in Foreign Languages.** 12 hrs.

\+ 486. **Student Teaching in Sciences.** 12 hrs.

\+ 479. **Student Teaching in Dance.** 12 hrs.

\+ 480. **Student Teaching in Vocational Education.** 12 hrs.

\+ 481. **Student Teaching in Business Education.** 12 hrs.

\+ 482. **Student Teaching in Art Education.** 12 hrs. (Also offered as ARE 482).

\+ 483. **Student Teaching in Industrial Arts.** 12 hrs.

\+ 484. **Student Teaching in English.** 12 hrs.

+ 485. **Student Teaching in Foreign Languages.** 12 hrs.

+ 486. **Student Teaching in Sciences.** 12 hrs.

+ 487. **Student Teaching in Mathematics.** 12 hrs.

+ 488. **Student Teaching in Social Studies.** 12 hrs.

+ 489. **Student Teaching in Speech Communication.** 12 hrs.

+ 490. **Student Teaching in Home Economics.** 12 hrs. Prerequisite: HEE 301 with grade no lower than B. (Also offered as HEE 490)

+ 491. **Student Teaching in High School Health and Physical Education.** 12 hrs.

+ 492. **Student Teaching in High School Library Science.** 12 hrs.

+ 493. **Student Teaching in Music Education.** 12 hrs. (Also offered as MED 493)

+ 494. **Student Teaching in Journalism.** 12 hrs.

495. **Seminar in Secondary Student Teaching.** 6 hrs. Prerequisite: Permission of Director of Student Teaching. Designed to meet the student teaching requirements for non-certified experienced teachers. This course deals with classroom management, programs of instruction, and student role in the educational environment.

+ 496. **Internship in Secondary Education.** 9 hrs. Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

497. **Teacher Certification Reinstatement.** 3 hrs. Prerequisite: Permission of instructor. Educational reform and research correlates of effective teaching, schools, and administration. (Also offered as CIE 497.)

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **Studies in British Education.** 3-6 hrs.

DANCE (DAN—687)

105. **Beginning Tap.** 2 hrs. Developing an understanding and practice of movement skills basic to tap dance of America. May be repeated twice for a total of six hours. For non-majors.

106. **Beginning Jazz.** 2 hrs. The study and application of the basic skills of jazz dance. May be repeated twice for a total of six hours. For non-majors.

107. **Dance Appreciation.** 3 hrs. The discussion of dance as a world-wide phenomenon in human behavior, its function in human society, with emphasis on the role of dance in present-day America.

150. **Beginning Modern Dance.** 2 hrs. Discussion and practice of movement patterns, improvisation, and studies in modern dance for the non-major. May be repeated twice for a total of six hours.

158. **Modern Dance Techniques and Composition I.** 2-3 hrs. Discussion and practice of movement skills and studies in modern dance for the major. May be repeated for a total of six hours. Open to non-majors with consent of instructor.

250. **Beginning Ballet.** 2 hrs. Discussion and practice of movements in ballet for the non-major. May be repeated twice for a total of six hours.

252. **Ballet Technique I.** 2-3 hrs. Discussion and practice of ballet skills for the dance major. May be repeated for a total of six hours. Open to non-majors with consent of instructor.

253. **Dance Improvisation.** 2 hrs. Spontaneous and Simultaneous exploring, creating, and performing movement of the moment. Open to non-majors with consent of instructor.

254. **Music Analysis and Accompaniment for Dance.** 2 hrs. A basic analysis of music in terms of its function and structure as it applies to movement, and the study and practical application of dance accompaniement. Open to non-majors with consent of instructor.

258. **Modern Dance Technique and Survey II.** 2-3 hrs. May be repeated for a total of six hours. A survey of modern dance techniques from past to present forms. A continuation of DAN 153. Open to non-majors with consent of instructor.

259. **Intermediate Dance Composition.** 3 hrs. Exploration of the elements of dance applied to dance choreography. Open to non-majors with consent of instructor.

300-L. **Choreographic Workshop.** 1-2 hrs. Participation in creative dance and performance activities. By audition.

350. **Tap Dance.** 2 hrs. Study of the various styles of tap including rhythm, jazz, and ballet forms. May be repeated twice for a total of six hours. Open to non-majors with consent of instructor.

352. **Ballet Technique II.** 2-3 hrs. Continuation and further enrichment of the technique of ballet at the intermediate level for the dance major. May be repeated for a total of nine hours. Open to non-majors with consent of instructor.

353. **Character Dance.** 2 hrs. Introduction to the study of European dance forms as used for theatrical presentations.

354. **Dance Production.** 1 hr. Developing an awareness and application of production skill. May be repeated up to five times. Open to non-majors with consent of instructor.

358. **Dance Technique and Theory III.** 3 hrs. May be repeated for a total of nine hours. The study and development of modern dance techniques and applied theories. A continuation of DAN 258. Open to non-majors with consent of instructor.

359. **Advanced Dance Composition.** 3 hrs. Methods and approaches used in making dances.

362. **Labanotation I.** 2 hrs. Introduction to elementary Labanotation, a system of recording movement. Open to non-majors with consent of instructor.

363. **Labanotation II.** 2 hrs. Continuation of DAN 362.

370. **Choreographic Research.** 2 hrs. Choreographic approaches for development toward the Senior Choreographic Research Project.

370-L. **Performance Production Laboratory for Choreographic Research.** 1 hr. Participation in performance and production of a choreographic presentation. May be repeated for a total of 12 hours. By audition.

400-L. **Dance Theatre Laboratory.** 1-2 hrs. Studio sessions in special aspects of dance theatre (partnering, point work, classical repertory). By audition.

452. **Ballet Technique III.** 3 hrs. Continuation and further enrichment of the technique of ballet for the dance major. May be repeated for a total of twelve hours. A continuation of DAN 352. Open to non-majors with consent of instructor.

453. **Advanced Jazz Dance.** 2 hrs. The study and application of the principles of jazz movement. May be repeated twice for a total of six hours. Open to non-majors with consent of instructor.

455. **Dance Repertory.** 1 hr. May be repeated for a total of 8 hours. The study and practice of selected choreographic works for performance. By audition.

458. **Dance Technique and Analysis IV.** 3 hrs. May be repeated for a total of twelve hours. Advanced Modern Dance technique and applied analysis of movement. A continuation of DAN 358. Open to non-majors with consent of instructor.

462. **Dance History I.** 3 hrs. History of dance from primitive through medieval periods. Open to non-majors with consent of instructor.

463. **Dance History II.** 3 hrs. History of dance from the Renaissance to the present. Open to non-majors with consent of instructor.

464. **Methods of Teaching Dance.** 3 hrs. A study of the philosophy, principles, and objectives of teaching dance. Includes observation and supervised teaching experiences.

465. **Music Resources for Dance.** 2 hrs. Studying and gathering of music resources for dance.

466. **Methods of Dance Lecture and Demonstration.** 3 hrs. Methods of preparing dance lecture-demonstrations and tours.

467. **Dance Curriculum and Organization Methods.** 3 hrs. Study of dance curriculum design and organization.

468. **Musical Theatre Dance.** 2 hrs.

470. **Choreographic Research Project.** 3 hrs. A choreographic and written project of an original dance work.

470-L. **Performance Production Laboratory for Choreographic and Project Research.** 1 hr. Participation in the Performance and Production research Project of a Senior Choreographic Research Project. May be repeated for a total of 12 hours.

471. **Performance Internship.** 1-9 hrs.

487-L. **Practicum in Movement.** 1-3 hrs. May be taken for a total of 9 hours. Practices and projects in Dance Theory, Performance, and/or Choreography for the undergraduate student. Open to non-majors with consent of instructor.

492. **Special Problems.** 1-3 hrs. May be taken for a total of 9 hours. (Students undertaking a Senior Honors Project will enroll in DAN H492.) Open to non-majors with consent of instructor.

499. **British Studies.** 3-6 hrs. Studies in dance and movement sciences abroad (5 weeks).

ECONOMICS (ECO—610)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

200. **Introduction to Economics.** 3 hrs. Not to be counted toward a major or meeting the core requirements of the College of Business Administration. Credit for graduation will not be given for both ECO 200 and 201 or 202.

201. **Principles of Economics I.** 3 hrs. An examination of the institutional environment of American capitalism and the determination of the level of national income, employment, prices, and growth. (JC 2113)

202. **Principles of Economics II.** 3 hrs. An examination of the laws of production and their influence on costs and output. Also, a study of product and factor price determination under varying degrees of competition and an analysis of international trade. (JC 2123)

305. **Economic Issues.** 3 hrs. Prerequisites: ECO 201 and 202. A survey of history of economic thought, economic history of the United States, and the fields of economics.

310. **Economic History of the United States.** 3 hrs. A study of the economic forces that have influenced the development of the United States from its European origins to the present.

330. **Money and Public Policy.** 3 hrs. Prerequisites: ECO 201 and 202. A study of the nature and functions of money, monetary theory, and the political, social, and international context in which economic policy is formulated.

335. **Economics of the Firm.** 3 hrs. Prerequisites: ECO 201 and 202, MAT 102. An intermediate study of the application of economic theory to managerial decision-making.

340. **Intermediate Microeconomic Theory.** 3 hrs. Prerequisites: ECO 201 and 202. An intermediate study of the determination of prices in factor and final product markets.

345. **Intermediate Macroeconomic Theory.** 3 hrs. Prerequisites: ECO 201 and 202. An intermediate study of the determination of aggregate income and employment.

401. **Public Finance.** 3 hrs. Prerequisites: ECO 201 and 202. A study of federal and state spending and fund-raising policies within the context of the social goals of the society.

413. **The Economy of Latin America.** 3 hrs. Prerequisites: ECO 201 and 202. Analysis of crucial Latin America economic issues: population, agriculture, industry, and trade.

435. **International Trade Theory.** 3 hrs. Prerequisites: ECO 201 and 202. The pure theory of trade and comparative advantage, free trade versus protection, customs unions, U.S. commercial policy, and trade problems of less-developed nations.

436. **International Monetary Theory.** 3 hrs. Prerequisites: ECO 201 and 202. An analysis of balance-of-payments accounting, foreign exchange markets, balance-of-payments adjustment mechanisms, and international monetary systems.

440. **Economic Development.** 3 hrs. Prerequisites: ECO 201 and 202. Emphasis on the economic tools for analyzing economic development with particular attention to regional growth and change.

450. **Introduction to Econometric Methods.** 3 hrs. Prerequisites: BA 302. Specification, estimation, and interpretation of econometric models.

465. **Economics of Labor.** 3 hrs. Prerequisites: ECO 201 and 202. A study of the labor market with special reference to the institutional setting, wage determination, and employment problems in an industrial economy.

470. **Comparative Economic Systems.** 3 hrs. Prerequisites: ECO 201 and 202. A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, and capitalism.

480. **Environmental Economics.** 3 hrs. Prerequisites: ECO 201 and 202. The economics of renewable and exhaustible natural resources of the earth and its environmental systems as they relate to basic theory and applied policy.

492. **Special Problems in Economics.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in Economics. (Students undertaking a Senior Honors Project will enroll in ECO H492.)

493. **Contemporary Economic Problems.** 3 hrs. Prerequisites: ECO 201 and 202. Application of the tools of microeconomics to examine problems such as energy, pollution, income distribution, and market structure.

498. **International Economics Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international economic issues and practices.

499. **International Economics Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international economics offered for students enrolled in ECO 498.

ELECTRONICS ENGINEERING TECHNOLOGY (ELT—398)

\+ 100. **Introduction to Electronics Engineering Technology.** 2 hrs. Overview of electronics engineering technology. Laboratory and shop practice; safety. Soldering and assembly. Printed circuit fabrication.

110. **Network Analysis I.** 4 hrs. Corequisites: MAT 101, ELT 110L. Basic electrical concepts and relationships. Use of DC circuit analysis theorems and techniques.

\+ 110-L. **Network Laboratory I.** 1 hr. Corequisite: ELT 110.

111. **Network Analysis II.** 4 hrs. Prerequisite: ELT 110. Corequisites: MAT 103, ELT 111L. Impedance and phasor concepts. Use of AC circuit analysis theorems and techniques.

\+ 111-L. **Network Laboratory II.** 1 hr. Corequisite: ELT 111.

120. **Electronic Graphics.** 3 hrs. Drafting principles for orthographic projections; schematics, wiring diagrams, and symbols.

210. **Electronic Devices and Circuits.** 3 hrs. Corequisites: ELT 111, 210L. Theory and application of solid state devices; diodes, junction and field-effect transistors, IC fabrication; small signal BJT amplifiers.

\+ 210-L. **Devices and Circuits I Laboratory.** 1 hr. Corequisite: ELT 210.

211. **Electronic Devices and Circuits II.** 3 hrs. Prerequisite: ELT 210. Corequisite: ELT 211L. FET amplifiers, small signal models, frequency response, multistage amplifiers.

\+ 211-L. **Devices and Circuits II Laboratory.** 1 hr. Corequisite: ELT 211.

\+ 230. **Electronic Instrumentation.** 3 hrs. Theory of operation and industrial use of common electronic instruments.

\+ 240. **Introduction to Digital Electronics.** 3 hrs. Prerequisite: ELT 210. Theory and application of basic digital logic circuitry.

312. **Linear Integrated Circuits.** 3 hrs. Prerequisite: ELT 211. OPAMPS, power amplifiers, voltage regulators, special devices.

315. **Design of High-Frequency and Communications Circuits.** 3 hrs. Prerequisite: ELT 211. Corequisite: ELT 315-L. R-f amplifiers and oscillators; signal spectra; noise; modulation; demodulation; phase-locked loops.

\+ 315-L. **Hi-Frequency Communications Laboratory.** 1 hr. Corequisite: ELT 315.

316. **Electronic Communications Systems.** 3 hrs. Prerequisite: ELT 315. Corequisite: ELT 316-L. Digital communication concepts including modulation and data transmission. Transmission media and networks.

\+ 316-L. **Electronic Communications Systems Laboratory.** 1 hr. Corequisite: ELT 316.

332. **Logic Circuitry I.** Prerequisite: ELT hrs. 240. Corequisite: ELT 332L. Logic circuit analysis and design; IC logic families; gates, multiplexers and demultiplexers, encoders and decoders, multivibrators, counters, registers, memories.

+ 332-L. **Logic Circuitry I Laboratory.** 1 hr. Corequisite: ELT 332.

333. **Logic Circuitry II.** 3 hrs. Prerequisite: ELT 332. Corequisite: ELT 333L. Microprocessor architecture and applications; I/O interfaces; memory organization.

+ 333-L. **Logic Circuitry II Laboratory.** 1 hr. Corequisite: ELT 333.

342. **Electrical Energy Systems.** 3 hrs. Prerequisite: PHY 112. AC and DC motors and generators.

+ 342-L. **Electrical Machinery Laboratory.** 1 hr.

392. **Special Problems.** 1-3 hrs.

400. **Senior Project.** 3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Project should be in area of student's specialization. (Students undertaking a Seniors Honor Project will enroll in ELT H400.)

401. **Senior Project.** 3 hrs. Continuation of ELT 400. (Students undertaking a Seniors Honors Project will enroll in ELT H401.)

+ 411. **Electronics for Scientists.** 4 hrs. Prerequisite: PHY 112 or 220. Practical electronics needed for maximum utilization of scientific instrumentation, automation, and logic circuits.

412. **Advanced Network Analysis.** 3 hrs. Prerequisite: ELT 111, MAT 137. Corequisite: ELT 412L. Transfer functions; network analysis by Laplace transform methods.

+ 412-L. **Advanced Network Analysis Laboratory.** 1 hr. Corequisite: ELT 412.

432. **Microprocessor Circuits.** 3 hrs. Prerequisite: ELT 333. Systems design and interface for embedded microcomputer applications.

461. **Electric Power Generation and Distribution.** 3 hrs. Prerequisite: ELT 111. Power generation and distribution, load flow, faults, grids, and layout.

470. **Introduction to Control Systems.** 3 hrs. Prerequisites: ELT 412, PHY 111. Corequisite: ELT 470L. General control system theory and application; servomechanisms, operational amplifiers.

+ 470-L. **Control Systems Laboratory.** 1 hr. Corequisite: ELT 470.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Supervised study in areas not covered by available courses.

ENGLISH (ENG—224)

099. **Developmental English.** 2 hrs. Required of all entering freshmen with a sub-standard English score on the ACT. Does not satisfy any University core or degree requirement.

099-L. **Developmental English Laboratory.** 1 hr. Required of all students enrolled in ENG 099.

100. **Fundamentals of Composition.** 3 hrs. (May not count toward a major, minor, or core.) Stresses grammar, mechanics, usage, and other basic writing skills. Recommended for those students whose ACT scores in English are sub-standard.

101. **Writing One.** 3 hrs. Stresses clear, effective writing with special attention to syntactical and organizational skills. (JC 1113, 1213)

102. **Writing Two.** 3 hrs. Prerequisite: English 101. Refines compositional skills and stresses additional rhetorical and research methods. (JC 1123, 1223)

200. **Introduction to Drama.** 3 hrs. Covers drama of the western world.

201. **Introduction to Fiction.** 3 hrs. Covers the various types and modes of fiction, both short stories and novels.

202. **Introduction to Poetry.** 3 hrs. Covers major English and American poetry.

203. **World Literature.** 3 hrs. Acquaints students with the great figures and works of Western literature. (JC 2413, 2423, 2453)

205. **Introduction to Literature.** 3 hrs. Covers the techniques of interpreting all the forms of literature.

206. **The Study of Language.** 3 hrs. Introduction to issues relevant to the understanding of language theory and use.

221. **Fiction Writing I.** 3 hrs. Introduction to fiction writing.

222. **Poetry Writing I.** 3 hrs. Introduction to poetry writing.

299. **Studies in Sherlock Holmes.** 3 hrs. Studies of Holmes and the Victorian world, offered in Britain during the summer term sponsored by the USM Institute of Anglo-American Studies. Not applicable to core literature requirement of English major. Elective only.

300. **Vocabulary Development.** 3 hrs. (May not count toward major, but with permission of the English Department adviser may count toward the minor.) Stresses the improvement of vocabulary.

301. **Traditional Grammar.** 3 hrs. Studies traditional grammar and usage.

311. **Survey of Contemporary Literature.** 3 hrs. Surveys major contemporary writers and their influences. (required for secondary or middle grade certification.)

319. **Literary Study of the Bible.** 3 hrs. Examines the literary structure, style, and content of the English Bible.

321. **Fiction Writing II.** 3 hrs. Prerequisite: English 221. Stresses the techniques of short fiction writing.

322. **Poetry Writing II.** 3 hrs. Prerequisite: English 222. Stresses the techniques of poetry writing.

332. **Pre-Professional Writing.** 3 hrs. Prerequisite: ENG 101 and ENG 102. Junior standing recommended. Writing, research, and documentation skills needed for professional papers.

333. **Technical Writing.** 3 hrs. Prerequisite: English 101, 102 and junior standing or twelve hours in student's major field. Stresses report writing in student's major field.

340. **Analysis of Literature.** 3 hrs. Introduces the discipline of literary criticism.

350. **Survey of British Literature I.** 3 hrs. Surveys major British literature from the Old English period to the Romantic period.

351. **Survey of British Literature II.** 3 hrs. Surveys major British literature from Romantic period to the present.

370. **Survey of American Literature I.** 3 hrs. Surveys American literature from its beginnings to the Civil War.

371. **Survey of American Literature II.** 3 hrs. Surveys American literature from the Civil War to the present.

372. **African-American Literature.** 3 hrs. Surveys major Black writers and their influences.

401. **Advanced Grammar.** 3 hrs. Introduces structural and transformational grammar. (Required for secondary or middle-grade certification in English.)

403. **Introduction to Linguistics.** 3 hrs. Introduces the principles of descriptive linguistics.

406. **History of the English Language.** 3 hrs. Surveys the development of the English language from Old English to the present. (Required for secondary or middle-grade certification in English.)

408. **Studies in Theoretical Linguistics.** 3 hrs. Topics include syntax, phonology, semantics, lexicology.

409. **Studies in Applied Linguistics.** 3 hrs. Topics include field methods, varieties of English, psycholinguistics, sociolinguistics.

413. **Survey of The Modern Novel.** 3 hrs. Examines major British and Continental novels of the last hundred years.

415. **Modern Poetry.** 3 hrs. This course will acquaint students with the work of the significant modern poets, as well as the modern period's important poetic innovations and movements.

417. **Survey of Modern Drama.** 3 hrs. Studies important British and Continental dramas of the twentieth century.

418. **Literature and Related Media for Adolescents.** 3 hrs. Study of adolescent literature and other related materials for use by and with young people in grades 7-12. (Also offered as LS 418).

419. **Studies in World Literature.** 3 hrs. Studies Continental, British, and American writers of the nineteenth and the twentieth centuries. Repeatable to nine hours.

421. **Fiction Writing III.** 3 hrs. Prerequisites: English 221 and 321. Provides an opportunity to develop techniques of fiction writing. Repeatable to nine hours.

422. **Poetry Writing III.** 3 hrs. Prerequisites: English 222 and 322. Provides an opportunity to develop techniques of poetry writing. Repeatable to nine hours.

423. **Creative Non-fiction Writing.** 3 hrs. Workshop in writing non-fiction prose: personal essay, reviews, opinion.

425. **Readings in the Theory of Fiction.** 3 hrs. Studies theories and forms of contemporary fiction. Repeatable to six hours.

426. **Readings in the Theory of Poetry.** 3 hrs. Studies theories and forms of contemporary poetry. Repeatable to six hours.

433. **Advanced Technical Writing.** 3 hrs. Advanced course in technical writing in which students prepare three or four major assignments related to a single research problem.

440. **Literary Criticism.** 3 hrs. Provides a historical approach to the study of literary criticism from the classical period to the present. Emphasis will be on major texts and critics.

451. **Chaucer.** 3 hrs. Emphasizes a close reading of **The Canterbury Tales**.

454. **Shakespeare's Comedies and Tragicomedies.** 3 hrs. Studies a selected group of Shakespeare's drama.

455. **Shakespeare's Histories and Tragedies.** 3 hrs. Studies a selected group of Shakespeare's drama.

456. **Survey of Sixteenth-Century English Literature.** 3 hrs. Studies the more important English writers of this period.

457. **Survey of the Development of British Drama to 1642.** 3 hrs. Studies English drama from its beginnings to 1642, exclusive of Shakespeare.

458. **Survey of Seventeenth-Century Prose and Poetry.** 3 hrs. Surveys the period 1600-1660, with emphasis on the "schools" of Donne and Jonson.

459. **Milton.** 3 hrs. Studies the poetry and prose of Milton, with emphasis on the major works.

460. **Survey of British Literature, 1660-1740.** 3 hrs. Surveys British Literature from the Restoration to 1740.

462. **Survey of British Literature, 1740-1798.** 3 hrs. Surveys British Literature from 1740 to 1798.

463. **Victorian Fiction and Prose.** 3 hrs. Survey of British fiction and non-fiction prose in the period 1830-1900.

464. **Survey of the British Novel to 1900.** 3 hrs. Studies the development of British fiction from Richardson through Hardy.

465. **Survey of Nineteenth-Century British Literature: Romantic.** 3 hrs. Surveys poetry and prose of the period 1790 to 1830.

466. **Victorian Poetry and Drama.** 3 hrs. Survey of British poetry and drama of the period 1830 to 1900.

467. **Survey of Twentieth-Century British Literature.** 3 hrs. Studies major twentieth century British writers, emphasizing novelists and dramatists.

468. **British Women Writers.** 3 hrs. Literature written by British women writers. Variable content.

469. **Studies in British Literature.** 3 hrs. Examines various topics in British Literature. Repeatable to nine hours.

470. **Survey of the American Literary Renaissance, 1820-1870.** 3 hrs. Examines the writings of Emerson, Thoreau, Hawthorne, Melville, Whitman, and others.

471. **Survey of the Rise of Realism in American Literature, 1870-1920.** 3 hrs. Examines American Literature after the Civil War, focusing on the terms realism and naturalism.

472. **Survey of American Drama.** 3 hrs. Studies American drama from its beginnings to the present, with emphasis on the twentieth century.

473. **Studies in African-American Literature.** 3 hrs. Focuses on specific genres, topics, or writers of African-American Literature.

477. **Survey of the American Novel 1920 to 1960.** 3 hrs. Studies techniques and historical backgrounds of the major novelists.

478. **American Women Writers.** 3 hrs. Literature written by American women writers. Variable content.

485. **Survey of Literature of the South.** 3 hrs. Emphasizes the fiction, poetry, and drama of twentieth-century Southern writers.

489. **Studies in American Literature.** 3 hrs. Studies notable movements, genres, and problems of American literature. Repeatable to nine hours.

490. **Reading/ Writing Theory and Application.** 3 hrs. Reading/Writing theory and applications. Course includes a computer component.

491. **Methods in English—Secondary.** 3 hrs. A course concerning methods of teaching English in the middle, junior, and senior high schools.

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of instructor. Provides the opportunity to pursue a special topic or area of interest (Students undertaking a Senior Honors Project will enroll in ENG H492.).

496. **Caribbean Studies.** 3-6 hrs. Variable content. Lecture series under the auspices of the Center for International Education.

497. **Special Topics in British Studies.** 6 hrs. In depth study in selected topics in British literature. To be taught as part of the USM British Studies Program.

498. **British Studies I.** 3-6 hrs. A five-week course taught in London, England. Generally offers an intensive study of topics and figures from the beginnings of English literature to 1800.

499. **British Studies II.** 3-6 hrs. A five-week course taught in London, England. Generally offers an intensive study of topics and figures in English literature from 1800 to the present.

ENVIRONMENTAL SCIENCE (ESC—335)

105. **Environmental Problems I.** 1 hr. Current calculations encountered in environmental monitoring and environmental impact estimations.

205. **Environmental Problems II.** 1 hr. Intermediate applied calculations relating to environmental monitoring, and environmental impact estimations.

301. **Living in the Environment.** 3 hrs. Physical, biological, social, political, and economic problems associated with current environmental issues.

302. **Environmental Improvement Project.** 3 hrs. Prerequisite: ESC 301. Performing an actual environmental improvement project.

330. **Principles of Environmental Health.** 3 hrs. Environmental factors relating to transmission of communicable disease, chemical, and physical hazards to man.

401. **Water Quality Analysis.** 3 hrs. Prerequisite: CHE 311, MAT 137. Sampling and testing for water quality.

401-L. **Water Quality Laboratory.** 1 hr.

402. **Air Quality Analysis.** 3 hrs. Prerequisite: ESC 401. Air pollution sampling, analysis, and modeling.

402-L. **Air Quality Laboratory.** 1 hr.

403. **Water and Wastewater Treatment.** 3 hrs. Prerequisite: ESC 401, BSC 180. Methods for producing drinking water and treating waste water.

403-L. **Water and Wastewater Treatment Laboratory.** 1 hr.

405. **Environmental Impact Statements.** 3 hrs. Preparation of environmental impact statements.

431. **Industrial Hygiene.** 2 hrs. Detection and control of harmful agents in working environments, such as vapors, gases, mists, radiation, and sound.

431-L. **Industrial Hygiene Laboratory.** 1 hr.

492. **Special Projects.** 1-3 hrs.

FAMILY ECONOMICS AND MANAGEMENT (FEM—825)

150. **Social and Professional Development.** 2 hrs. Study of skills and competencies necessary for effective social and professional interactions.

201. **Introduction to Home Economics in Business.** 3 hrs. Resources and skills needed by home economists in the world of business and industry.

345. **Technology in Family Environments.** 3 hrs. Study of energy problems and the impact of technological change on families.

441. **Internship.** 3 hrs. Prerequisite: Senior standing and consent of instructor. Supervised field experiences in a business or industry setting.

442. **Personal and Family Financial Management.** 3 hrs. Methods of obtaining and managing financial resources across the family life span.

443. **Family Resource Management.** 3 hrs. Prerequisite: FEM 442 or consent of instructor. Application of management principles to the problems of individuals and families.

445. **Financial Problems of the Family.** 3 hrs. Study of family resource utilization emphasizing methods of assisting families in effective planning.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

492. **Special Problems in Family Economics and Management.** 1-6 hrs. Consent of adviser. (Students undertaking a Seniors Honor Project will enroll in FEM H492.)

FAMILY RELATIONS (FAM—830)

151. **Personal Development and Interpersonal Relationships.** 3 hrs. A study of human development through awareness and understanding of peer and family relationships.

351. **Marital and Family Relationships.** 3 hrs. A study of relationship changes over the family life cycle with an emphasis on coping with normative and catastrophic stressors.

450. **Sexuality in the Family.** 3 hrs. Research and theory on the impact of family life cycle changes on sexuality, intimacy, and gender needs and implications for the helping professional.

451. **Marriage Adjustments: Communication and Conflict.** 3 hrs. Mate selection, marital adjustment, divorce, and remarriage are examined. Emphasis on communication, power struggles, and problem solving.

452. **Parenthood.** 3 hrs. Preparation for parenthood. Relationships of parents and children studied, with emphasis on parenting styles and practices. Patterns of home and school interactions discussed.

453. **The Family in Later Life.** 3 hrs. An examination of family kinship patterns in later life; relationships with spouse, adult children, and siblings.

454. **Special Topics in Gerontology.** 1-3 hrs. Study of current issues in the field of aging. Topics will vary. May be repeated with permission of adviser.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

490. **Practicum.** 3-9 hrs. Supervised work experience in a family service agency or similar setting.

492. **Special Problems in Family Relations.** 1-4 hrs. Prerequisites: FAM 351 and consent of instructor. (Students undertaking a Seniors Honor Project will enroll in FAM H492.)

498. **British Studies Program: Studies in Family Relations.** 3-6 hrs. Current topics, trends, and issues which impact the family. Offered in London, England.

FINANCE (FIN—615)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

\+ 300. **Principles of Finance.** 3 hrs. Prerequisites: ACC 200, ECO 202, and MIS 201, 202. A study of the principles of financial analysis.

310. **Money and Capital Markets.** 3 hrs. Co-requisite: FIN 300. A study of the financial instruments and operations of financial markets.

320. **Personal Finance.** 3 hrs. Prerequisites: ACC 200 and ECO 202. Study of the management of personal financial affairs.

350. **Bank Administration.** 3 hrs. Prerequisite: FIN 300. A comprehensive survey of management problems faced by banks.

352. **Principles of Investments.** 3 hrs. Prerequisite: FIN 300. Introduction to security analysis and portfolio theory.

392. **Estate and Business Planning.** 3 hrs. Prerequisite: BA 200. The role of wills, trusts, loans, and insurance in a personal and business planning framework.

462. **Security Analysis.** 3 hrs. Prerequisite: FIN 352. A study of international, national, industrial, and corporate effects on security prices.

472. **International Business Finance.** 3 hrs. Prerequisite: FIN 300. A study of the financial management problems faced by multinational business firms.

480. **Financial Management.** 3 hrs. Prerequisite: FIN 300. The application of financial theory to the management decisions faced by business firms.

492. **Special Problems in Finance.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study of an approved topic in Finance. (Students undertaking a Senior Honors Project will enroll in FIN H492.)

498. **International Finance Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international financial issues and practices.

499. **International Finance Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international finance offered for students enrolled in FIN 498.

FOOD AND NUTRITION (FN—815)

163. **Food Study.** 3 hrs. Study of effects of food preparation techniques on product development; includes laboratory. (JC 1213, 1242)

167. **Nutrition for Living.** 1 hr. A study of nutrition concepts relating to health and human wellness. (HPR 1241, 1751)

261. **Meal Management.** 3 hrs. Prerequisite: FN 163. Management of resources: time, energy, and money, in selection, purchasing, preparation, and serving of foods; cultural aspects of meal planning. Includes laboratory. (JC 2213)

265. **Orientation to Dietetics.** 1 hr. Study of dietetics and careers in the profession.

362. **Nutrition.** 3 hrs. Study of the body's need for foods, including the chemistry of digestion, metabolism, and nutritive requirements of the body during the life cycle.

363. **Maternal and Child Nutrition.** 3 hrs. A study of the nutritional requirements and food habits of mothers and their infants and children through adolescence.

364. **Teaching Food and Nutrition in the Elementary Grades.** 3 hrs. Course planned to give understanding of materials and methods for teaching nutrition at this level.

367. **Nutrition in Health Care.** 3 hrs. Study of the science of nutrition and its application for health care providers.

410. **Intermediate Nutrition.** 3 hrs. Prerequisites: CHE 321, FN 362 or 367. The study of specific nutrient effects on human metabolism. Metabolic pathways are explored and the roles of specific nutrients in these pathways are discussed.

420. **Nutrition in the Life Cycle.** 3 hrs. Prerequisite: BSC 250, 251; CHE 251; FN 362 or 367. Study of the role of nutrition in health, growth, and development at each stage of the life cycle.

420-L. **Nutrition in the Life Cycle Laboratory.** 2 hrs. Corequisite: FN 420 and admission to the Coordinated Program in Dietetics. This applied nutrition course develops skills in interviewing, counseling, and basic assessment of nutritional status of healthy individuals.

430. **Experimental Foods.** 3 hrs. Prerequisites: FN 362 or 367 and CHE 251, 251L. Study of selected nutritional, chemical, physical, and sensory properties of foods in relation to preparation procedures. Includes laboratory.

460. **Advanced Nutrition.** 3 hrs. Prerequisites: FN 410, CHE 321, and a course in physiology. Biochemical and physiological interactions among vitamins, carbohydrates, protein, fats and elements in relation to nutritional requirements and utilization.

461. **Clinical Nutrition.** 3 hrs. Prerequisites: FN 362 or 367, CHE 321, and a course in physiology. Biochemical and physiological bases for dietary treatment of various disease states.

461-L. **Clinical Nutrition Laboratory.** 2 hrs. Corequisite: FN 461 and admission to the Coordinated Program in Dietetics. Application of dietetics in a hospital setting.

462. **Food Preservation.** 3 hrs. Study of methods and techniques of preserving foods and its storage. Convenience foods studies.

463. **Community Nutrition.** 3 hrs. Prerequisite: Admission to the coordinated program. Study of nutrition assessment methodology and resources available within the community. Includes field experience.

463-L. **Community Nutrition Laboratory.** 2 hrs. Corequisite: FN 463. A laboratory setting to study nutrition assessment methodology and resources available within a community.

464. **Clinical Dietetics.** 4-15 hrs. Permission of instructor required. Prerequisites: FN 410 and 461. Study of disease states and dietary management in clinical settings.

465. **Seminar.** 1 hr. Prerequisite: FN 362 and CHE 321. Selected topics in nutrition. May be repeated for a total of 3 semester hours.

467-L. **Practicum in Dietetics.** 4 hrs. Prerequisites: FN 464 and FSM 477. Application of dietetics in selected health care settings.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

492. **Special Problems in Food and Nutrition.** 1-4 hrs. Prerequisite: Senior standing and permission of the instructor. (Students undertaking a Seniors Honors Project will enroll in FN H492.)

FOOD SCIENCE TECHNOLOGY (FST—396)

101. **Introduction to Food Science.** 3 hrs. Examination of the food industry and its development. A discussion of basic food constituents, and food quality and its measurement.

310. **Food Science I.** 3 hrs. Physical, biochemical, and microbiological properties of important classes of food products as they relate to food processing.

311. **Food Service II.** 3 hrs. Materials and methods applicable to foods industries in regard to additives, packaging, sanitation, and quality control.

350. **Food Processing Technology.** 2 hrs. General characteristics of food materials; methods of preservation; processing objectives; packaging; and sanitation.

350-L. **Food Processing Technology Laboratory.** 2 hrs.

351. **Food Processing Technology II.** 2 hrs. Continuation of FST 350.

351-L. **Food Processing Technology II Laboratory.** 2 hrs.

405. **Food Process Engineering.** 3 hrs. Application of chemical engineering principles in food processing.

410. **Food and Drug Laws-Standards and Regulations.** 3 hrs. Federal, state, and city food and drug laws, and how they regulate the food industry.

450. **Food Analysis I.** 2 hrs. Principles and regulation of official chemical, microbiological, and physical methods used in food analysis.

450-L. **Food Analysis I Laboratory.** 2 hrs.

451. **Food Analysis II.** 2 hrs. Continuation of FST 450.

451-L. **Food Analysis II Laboratory.** 2 hrs.

489. **Seminar.** 1 hr. arr. Discussion of current topics in food science and technology.

492. **Special Problems.** 1-3 hrs.

FOOD SERVICE MANAGEMENT (FSM—827)

100. **Introduction to Food Service Management.** 1 hr. An overview of the food service industry. Emphasis on the history of food service management. Students will explore career opportunities in institutional food services.

271. **Problems in Managing a Food Service.** 3 hrs. Organizational structure of the federal school lunch program. Emphasis placed on management procedures.

272. **Principles of Food Preparation.** 2 hrs. Study of theories and techniques of food preparation and their effects on food products.

272-L. **Principles of Food Preparation Laboratory.** 1 hr. Corequisite: FSM 272.

273. **Sanitation.** 1 hr. Emphasis on all phases of sanitation in food service and hospitality industries.

310. **Introduction to Governmental Food and Nutrition Programs.** Prerequisite: FSM 100. Emphasis on child nutrition programs and federally funded feeding programs for the older American population.

340. **Quantity Food Production and Service.** 2 hrs. Prerequisites: FSM 272, 272-L. Principles of quantity food production, purchasing, and service.

340-L. **Quantity Food Production and Service Laboratory.** 2 hrs. Corequisite: FSM 340.

342. **Human Resource Training and Development in Food Service Systems.** 3 hrs. Prerequisites: FSM 340 and MGT 300. Exploration of theories related to staffing and developing personnel for food service operations. Emphasis on training techniques for the food service industry.

370. **Catering.** 3 hrs. Prerequisites: FSM 272, 272-L and permission of instructor. Principles, techniques and implementation of special functions in food service. Includes laboratory.

440. **Food Service management.** 2 hrs. Prerequisites: Junior standing and FSM 340, 340-L and MGT 300. A study of management of food service systems and interrelationships of components of these systems.

440-L. **Food Service management Laboratory.** 2 hrs. Corequisite: FSM 440.

441. **Purchasing in the Hospitality Industry.** 3 hrs. Prerequisite: Junior standing and FSM 440. Procurement of food and non-food materials in hospitality and related industries.

442. **Food Service Layout and Design.** 3 hrs. Prerequisites: FSM 340, 340-L. Planning, designing, and layout of food service facilities with emphasis with emphasis on arrangement and selection of equipment.

445. **Production and Financial Management in Food Service Systems.** 3 hrs. Prerequisites: FSM 440, 440-L, and HRT 480.

450. **Research Methods for Food Service Management.** 2 hrs. Prerequisites: FSM 440, 440-L, and MKT 300. An exploration of research methods used in food service operations. Emphasis on planning and implementing studies to ascertain customer food preferences, habits and satisfaction.

451. **Contemporary Issues in Food Service Management.** 1 hr. Prerequisites: Senior standing and FSM 440 and 440-L. Topics of current interest in the food service industry. May be repeated for a maximum of 3 hrs.

467. **Food Systems I.** 4 hrs. Prerequisites: FSM 340 and 340-L. Organization and management of food service operations; cost control techniques; layout and equipment; and human relations.

473. **Food Systems II.** 4 hrs. Prerequisite: FSM 340, 340L. Organization and management of food service operations; cost control techniques; layout and equipment; and human relations.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

477. **Administrative Dietetics.** 6 hrs. Prerequisite: FSM 467. Corequisite: FN 464. Study and application of management theory and techniques in the supervision of food service personnel.

490. **Practicum in Food Service Management.** 4 hrs. Prerequisites: Senior standing and FSM 445 and 450. Supervised experience in a quantity food service system.

492. **Special Problems in Food Service Management.** 1-4 hrs. Prerequisite: Permission of instructor and Director of the School of Home Economics. (Students undertaking a Senior Honors Project will enroll in FSM H492.)

FOREIGN LANGUAGES (FL—228)

100. **Introduction to Foreign Language Learning.** 1 hr. Credit not applicable toward major.

101. **Introduction to Exotic Languages I.** 3 hrs.

102. **Introduction to Exotic Languages II.** 3 hrs. Prerequisite: FL 101 in the same language.

105. **English as a Foreign Language.** 3 hrs. Credit not applicable toward degree.

331. **Classical Mythology and Religion.** 3 hrs. A survey of Greco-Roman mythology and religion with reference to other mythologies.

381. **Credit for Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture of the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

431. **Foreign Language Film.** 1-3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of foreign films in a given foreign language.

461. **Methods of Teaching Foreign and Second Languages.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six (6) hours.

462. **Translation.** 3 hrs. Prerequisite: Consent of instructor.

463. **Applied Linguistics in Second and Foreign Languages.** 3 hrs.

464. **Second Language Acquisition Theory and Practice.** 3 hrs.

481. **Advanced Credit for Study Abroad.** 3-9 hrs. Arr. Prerequisite: Advanced knowledge of the language to be studied; otherwise same as FL 381. (see FL 381)

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of instructor. (Students undertaking a Senior Honors Project will enroll in FL H492.)

ARABIC (ARA—247)

101. **Beginning Arabic I.** 3 hrs.

102. **Beginning Arabic II.** 3 hrs. Prerequisite: ARA 101 or equivalent.

CHINESE (CHI—244)

101. **Beginning Chinese I.** 3 hrs.

102. **Beginning Chinese II.** 3 hrs. Prerequisite: CHI 101 or equivalent.

FRENCH (FRE—241)

101. **Beginning French I.** 3 hrs. (JC 1113)

102. **Beginning French II.** 3 hrs. Prerequisite: FRE 101 or equivalent. (JC 1123)

103. **Beginning French Review.** 3 hrs. A systematic review, individualized as necessary, of speaking, understanding, reading and writing French. Credit is not given for both FRE 103 and either FRE 101 or FRE 102.

181. **Beginning Credit for Study Abroad.** 3-6 hrs. Prerequisites: prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of France or French-speaking Canada. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

200-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 200-level French course.

201. **Intermediate French I.** 3 hrs. Prerequisite: FRE 102 or equivalent. (JC 2113)

202. **Intermediate French II.** 3 hrs. Prerequisite: FRE 201 or equivalent. (JC 2123)

281. **Beginning Credit for Study Abroad.** 3-6 hrs. Prerequisites: Elementary knowledge of French; otherwise, same as FRE 181. (See FRE 181)

300-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 300-level French course.

305. **French Grammar Review.** 3 hrs. Prerequisite: FRE 202 or equivalent. Advanced study of French grammar and stylistics: composition, reading and stylistic analysis.

341. **Introduction to Literature.** 3 hrs. Prerequisite: FRE 202 or equivalent. An introduction to the study of French prose, poetry, drama; techniques of literary analysis; continued study of French language.

381. **Study Abroad.** 3-9 hrs. Prerequisite: Intermediate knowledge of French; otherwise same as FRE 181. (See FRE 181)

400-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 400-level French course.

405. **French Phonology.** 3 hrs. An introduction to French phonemics and phonetics with intensive practice in the pronunciation of standard and nonstandard French.

406. **Advanced Composition.** 3 hrs. Practice in descriptive, narrative, analytical and research composition, with attention to style, vocabulary, and morphology as well as to methods of organization and presentation.

431. **French Film.** 3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of foreign films in a given foreign language.

435. **Modern France.** 3 hrs. Contemporary French education, social attitudes, politics, urban and rural life.

442. **Survey of French Literature I.** 3 hrs. French literature from the Middle Ages through the 18th century.

443. **Survey of French Literature II.** 3 hrs. French Literature from the 18th century through the mid-20th century.

445. **Twentieth Century French Drama.** 3 hrs. A survey of twentieth-century French drama including traditional and avantgarde theatre.

446. **French Novel and Short Story.** 3 hrs. Prose fiction of the 18th, 19th, and 20th centuries, studied in conjunction with films based on the works or thematically related to them.

481. **Study Abroad.** 3-9 hrs. Arr. Prerequisite: Advanced knowledge of the language to be studied; otherwise same as FRE 181. (see FRE 181)

GERMAN (GER—243)

101. **Beginning German I.** 3 hrs. (JC 1313)

102. **Beginning German II.** 3 hrs. Prerequisite: GER 101 or equivalent. (JC 1323)

160. **Applied German.** 1-3 hrs. A study of aspects of German pertinent to a defined area of special interest. Does not substitute for Beginning German I or apply to a major in German.

200-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 200-level German course.

201. **Intermediate German I.** 3 hrs. Prerequisite: GER 101 or equivalent. (JC 2313)

202. **Intermediate German II.** 3 hrs. Prerequisite: GER 102 or equivalent. (JC 2323)

300-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 300-level German course.

305. **Conversation and Composition.** 3 hrs. Prerequisite: GER 202 or equivalent.

331. **German Radio Plays.** 3 hrs. Prerequisites: GER 202 and permission of the instructor. Requires extensive work in the language laboratory.

341. **Reading German.** 3 hrs. Prerequisite: GER 202. An introduction to reading German literature and other documents for comprehension and literary analysis.

342. **Independent Reading.** 3 hrs. Corequisites: enrollment in a German course at the 300 or 400 level. Substantial supervised reading from a departmental reading list.

381. **Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

400-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 400-level German course.

405. **German Diction and Phonetics.** 3 hrs. Prerequisite: Permission of instructor.

406. **Advanced Grammar.** 3 hrs. Prerequisite: GER 341. Advanced study of German grammar; reading and stylistic analysis.

431. **German Film.** 3 hrs. Prerequisite: Permission of instructor. Study of literary and linguistic aspects of German film.

435. **Modern Germany.** 3 hrs. Prerequisite: GER 305, 331, or 341. A cultural survey of the German-speaking areas in postwar Europe.

442. **Survey of German Literature I.** 3 hrs. Prerequisite: GER 341. A study of German literature during the Age of Goethe, including the storm and stress period, classicism, and early Romanticism.

443. **Survey of German Literature II.** 3 hrs. Prerequisite: GER 341. A study of German literature from the post-Goethe nineteenth century to the present.

445. **Modern Drama.** 3 hrs. Prerequisite: GER 341. A study of German dramatic works representative of historically important movements and relevant human problems of the nineteenth and twentieth centuries.

446. **The German Novelle.** 3 hrs. Prerequisite: GER 341. A study of important Novellen representative of literary currents in the nineteenth and twentieth centuries, and an examination of literary theory relevant to the genre.

481. **Study Abroad.** 3-9 hrs. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as GER 381. (see GER 381)

482. **Austrian Studies.** 3-6 hrs. Prerequisite: GER 202 or consent of instructor. Literature and Culture. An intensive course supplemented by sight-seeing excursions and theatre attendances. Conducted in German. Offered summers in Vienna by the USM Austrian Studies Program.

GREEK (GRK—249)

101. **Beginning Greek I.** 3 hrs.

102. **Beginning Greek II.** 3 hrs. Prerequisite: GRK 101 or equivalent.

201. **Intermediate Greek I.** 3 hrs. Prerequisite: GRK 102 or equivalent.

202. **Intermediate Greek II.** 3 hrs. Prerequisite: GRK 201 or equivalent.

445. **Readings in Greek Literature.** 3 hrs. Prerequisite: GRK 201 or equivalent. May be taken for a total of nine hours if topics vary.

ITALIAN (ITA—246)

101. **Beginning Italian I.** 3 hrs.

102. **Beginning Italian II.** 3 hrs. Prerequisite: ITA 101 or equivalent.

160. **Applied Italian.** 3 hrs. The course will provide personal linguistic and cultural immersion in real situations. Offered summers in Italy by the USM Italian Cultural Studies Program.

201. **Intermediate Italian I.** 3 hrs. Prerequisite: ITA 102 or equivalent.

202. **Intermediate Italian II.** 3 hrs. Prerequisite: ITA 201 or equivalent.

JAPANESE (JPN—245)

101. **Beginning Japanese I.** 3 hrs.

102. **Beginning Japanese II.** 3 hrs. Prerequisite: JPN 101 or equivalent.

201. **Intermediate Japanese I.** 3 hrs. Prerequisite: 102 or equivalent.

202. **Intermediate Japanese II.** 3 hrs. Prerequisite: 201 or equivalent.

LATIN (LAT—242)

101. **Beginning Latin I.** 3 hrs.

102. **Beginning Latin II.** 3 hrs. Prerequisite: LAT 101 or equivalent.

201. **Intermediate Latin I.** Prerequisite: LAT 102 or equivalent. (JC 2413)

202. **Intermediate Latin II.** Prerequisite: LAT 201 or equivalent. (JC 2423)

445. **Readings in Latin Literature.** 3 hrs. Prerequisite: LAT 202 or equivalent. May be taken for a total of nine hours if topics vary.

RUSSIAN (RUS—248)

101. **Beginning Russian I.** 3 hrs.

102. **Beginning Russian II.** 3 hrs. Prerequisite: RUS 101 or equivalent.

201. **Intermediate Russian I.** 3 hrs. Prerequisite: RUS 102 or equivalent.

202. **Intermediate Russian II.** 3 hrs. Prerequisite: RUS 201 or equivalent.

305. **Conversation and Composition.** 3 hrs. Prerequisite: RUS 202.

341. **Reading Russian.** 3 hrs. Prerequisite: RUS 202.

SPANISH (SPA—240)

101. **Beginning Spanish I.** 3 hrs. (JC 1213)

102. **Beginning Spanish II.** 3 hrs. Prerequisite: SPA 101 or equivalent. (JC 1223)

162. **Spanish for Law.** 3 hrs. Prerequisite: SPA 101. An alternative to SPA 102 for students planning to enter the law enforcement field. Credit is not granted for both SPA 102 and SPA 162.

181. **Beginning Credit for Study Abroad.** 3-6 hrs. Prerequisites: prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of Spain and Spanish America. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

200-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 200-level Spanish course.

201. **Intermediate Spanish I.** 3 hrs. Prerequisite: SPA 102 or equivalent. (JC 2213)

202. **Intermediate Spanish II.** 3 hrs. Prerequisite: SPA 201 or equivalent. (JC 2223)

211. **Introduction to Spanish Grammar I.** 2 hrs. Co-requisite SPA 201. A formal analysis of high frequency structure of Spanish.

212. **Introduction to Spanish Grammar II.** 2 hrs. Co-requisite SPA 202. A formal analysis of high frequency structure of Spanish. This course is a continuation of SPA 211.

231. **Intermediate Reading and Civilization I.** 3 hrs. Prerequisite: SPA 102 or SPA 162. An intermediate course designed to develop reading skills and given students a knowledge of Spanish history and culture from the beginnings until 1700. Credit is not granted for both SPA 201 and SPA 231.

232. **Intermediate Reading and Civilization II.** 3 hrs. Prerequisite: SPA 201 or SPA 231. An intermediate course designed to develop reading skills and give students a knowledge of Spanish history and culture from 1700 to the present. Credit is not granted for both SPA 202 and SPA 232.

281. **Intermediate Credit for Study Abroad.** 3-6 hrs. Prerequisites: Elementary knowledge of Spanish; otherwise same as SPA 181. (See SPA 181)

300-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 300-level Spanish course.

305. **Spanish Reading and Composition.** 3 hrs. Prerequisite: SPA 202. Reading in the contemporary short story, discussion of literary techniques, composition, grammar review.

313. **Grammar Review.** 3 hrs. Prerequisite: SPA 202. A review of the principles of Spanish grammar.

321. **Advanced Conversation.** 3 hrs. Prerequisite: SPA 202. Prepared dialogs based on life situations and current events.

341. **Introduction to Spanish Literature.** 3 hrs. Prerequisite: SPA 202 or equivalent. Introduction to genres, literary structure, terms, methods of critical analysis and approaches to the reading and study of Spanish literature.

361. **Commercial Spanish I.** 3 hrs. Prerequisite: SPA 202 or equivalent.

362. **Commercial Spanish II.** 3 hrs. Prerequisite: SPA 202 or equivalent.

381. **Study Abroad.** 3-9 hrs. Prerequisite: Intermediate knowledge of Spanish; otherwise same as SPA 181. (See SPA 181)

400-L. **Conversation Laboratory.** 1 hr. May be repeated once. Student must be simultaneously enrolled in any 400-level Spanish course.

405. **Advanced Conversation and Phonetics.** 3 hrs.

406. **Advanced Composition and Grammar.** 3 hrs. Prerequisite: SPA 202. Review of basic grammar, progressing to more sophisticated aspects; idiom study; composition.

435. **Spanish Culture and Civilization.** 3 hrs. Prerequisite: SPA 202. A chronological survey of Spanish history and culture from Celt-Iberian times to the present.

436. **Latin American Culture and Civilization.** 3 hrs. A chronological survey of Hispanic civilization and institutions.

442. **Survey of Peninsular Literature I.** 3 hrs. The literature of Spain from the Medieval period through the Golden Age.

443. **Survey of Peninsular Literature II.** 3 hrs. The literature of Spain in the nineteenth and twentieth centuries.

446. **Don Quijote.** 3 hrs. A study of the Cervantes novel, of its historical and literary background, and of the principal critical materials.

452. **Survey of Latin American Literature.** 3 hrs. The literature of Latin America from the Colonial period through the nineteenth century.

454. **Contemporary Latin American Literature.** 3 hrs. A survey of fiction, poetry, and drama in the twentieth century.

481. **Study Abroad.** 3-9 hrs. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as SPA 181. (see SPA 181)

491. **Advanced Studies in the Spanish Language.** 3 hrs. Prerequisite SPA 202. Content varies in response to students' interests and needs. Topics include: syntax, lexicography, and etymology. May be repeated for a total of six hours.

FORENSIC SCIENCE (FSC—375)

340. **Criminalistics.** 3 hrs. An introductory study of the techniques employed in forensic laboratories.

\+ 340-L. **Criminalistics Laboratory.** 1 hr.

341. **Forensic Science.** 3 hrs. Blood, hair, and other biological products as physical evidence.

\+ 341-L. **Forensic Science Laboratory.** 1 hr.

430. **Survey of Forensic Toxicology.** 3 hrs. Toxicology as applied to forensic investigations.

440. **Drug Identification.** 3 hrs. Lectures, demonstrations and discussions covering all aspects of drug identification, emphasizing those relating to law enforcement, are presented.

442. **Arson and Explosives.** 3 hrs. Introduction to the investigation of arson and bombings.

\+ 442-L. **Arson and Explosives Laboratory.** 1 hr.

491. **Special Projects in Forensic Science.** 2 hrs. Individual studies in forensic science principles.

\+ 491-L. **Laboratory for Forensic Science 491.** 2 hrs. Hands-on experience with true forensic science situations.

FUNDAMENTALS OF SCIENCE (FS—390)

Fundamentals of Science: Two courses in general physical science and two courses in general biological science of three semester hours credit for each. These courses are designed to give the non-science major an acquaintance and understanding of certain fundamental principles of the major science disciplines.

The FS 131 series are laboratory courses designed to meet core requirements for elementary education and special education majors. Laboratory (1 hr.) must be taken concurrently with lecture (3 hrs.).

Inasmuch as there is overlapping and duplication in these courses and those offered by other science departments of this and other institutions, the student should check carefully with his adviser and/or the Department of Science Education prior to enrolling in these courses.

104. **Physical Science I.** 3 hrs. A study of matter and energy in the universe; the forces acting within the universe; and the laws governing these phenomena. (JC 2213)

105. **Physical Science II.** 3 hrs. The study of elementary and compound substances; the arrangement of forces acting on these substances in the universe. (JC 2223)

106. **Biological Science I.** 3 hrs. Studies in the general life science with emphasis on the systems of Man. (JC 1113)

107. **Biological Science II.** 3 hrs. Studies of the diversity of life in plants and animals. (JC 1123)

131. **General Physical Science I.** 3 hrs. Prerequisite: Elementary Education major. Study of the interaction of matter and energy.

\+ 131-L. **Laboratory for General Physical Science I.** 1 hr. A laboratory designed to accompany FS 131. Concurrent registration in FS 131 is required.

132. **General Physical Science II.** 3 hrs. Prerequisites: Elementary Education major. Study of the interaction of matter and energy.

\+ 132-L. **Laboratory for General Physical Science II.** 1 hr. A laboratory designed to accompany FS 132. Concurrent registration in FS 132 is required.

133. **General Biological Science I.** 3 hrs. Prerequisite: Elementary Education major. A study of the basic patterns of life and a modern system of classifying organisms.

\+ 133-L. **Laboratory for General Biological Science I.** 1 hr. A laboratory designed to accompany FS 133. Concurrent registration in FS 133 is required.

134. **General Biological Science II.** 3 hrs. Prerequisites: Elementary Education major. A study of interaction between organisms with their environment.

\+ 134-L. **Laboratory for General Biological Science II.** 1 hr. A laboratory designed to accompany FS 134. Concurrent registration in FS 134 is required.

135. **Earth and Environmental Science.** 3 hrs. Prerequisites: Elementary Education Major. A study of the lithosphere, hydrosphere, atmosphere, and environmental concerns.

135-L. **Earth and Environmental Science Laboratory.** 1 hr. A laboratory designed to accompany FS 135. Concurrent registration in FS 135 is required.

GENERAL STUDIES (GS—010)

100. **Orientation.** 1 hr.

101. **Introduction to College.** 2 hrs. GS 101 is an introduction to higher education, the University structure, policies, procedures, and resources. Course includes learning skills, decision-making skills, and personal development to facilitate student success.

301. **College Survival.** 1 hr. Offered at USM-Gulf Coast.

GEOGRAPHY AND AREA DEVELOPMENT (GHY—268)

101. **World Regional Geography.** 3 hrs. Introduction to world regional geography with emphasis on man's relation to the land. (JC 1113)

102. **Introduction to Geography.** 3 hrs. Introduction to the basic elements and concepts of geography. (JC 1123)

210. **Maps and Maps Interpretation.** 3 hrs. Introduction to the role of maps and remotely sensed images in society in the Age of Information. Covers history, philosophy, interpretation, and use of maps.

310. **Principles of Cartography.** 2 hrs. Theory of design and construction of maps from compilation through reproduction: projections design and symbols. Concurrent registration in GHY 310L required.

+ 310-L. **Principles of Cartography Laboratory.** 2 hrs. Techniques of map construction. Concurrent registration in GHY 310 required.

311. **Remote Sensing Image Interpretation.** 2 hrs. Corequisite: GHY 311-L. Introduction to Remote Sensing; interpretation and application of air photos and other remote sensing images.

+ 311-L. **Remote Sensing Image Interpretation Laboratory.** 1 hr. Corequisite: GHY 311. Spplication of remote sensing images and air photos to natural and cultural environmental problems.

323. **Weather and Climate.** 3 hrs. Survey of elements of weather and climate; emphasis on processes, distribution patterns, and impact on man.

324. **Geography of Landforms.** 3 hrs. Study of structure, process, and stage of geometric configurations of earth's land surface and influences exerted on human activity.

325. **Applied Physical Geography.** 3 hrs. An overview of climate, water, soils and their roles in the development of the landscape.

+ 325-L. **Applied Physical Geography Laboratory.** 1 hr. Pre- or Corequisite: GHY 325. Analysis of physical geographic data, maps, and charts. Field trips may be required.

331. **Cultural Systems in the Environment.** 3 hrs. Geographical analysis of man's interaction with environment through time; considers spatial significance and distribution of various cultural elements.

341. **World Political Geography.** 3 hrs. Geographic approach to patterns of power and conflict among nations. Consideration of strategic areas, disputed zones, and regional blocs.

350. **Introduction to Economic Geography.** 3 hrs. Principles of economic geography as developed through regional studies of characteristics and areal associations of economic phenomena.

362. **Urban Geography.** 3 hrs. Review of urban development, processes contributing to development, and effect these processes have on cities.

370. **Conservation of Natural Resources.** 3 hrs. An analysis of basic principles and problems associated with the use, misuse, and conservation of natural resources.

400. **Geography of Mississippi.** 3 hrs. Survey of physical, economic, and historical geography of the state; emphasis on man-environment relations and problems.

401. **Geography of the United States and Canada.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

402. **Geography of Middle America and the Caribbean.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

403. **Geography of South America.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

404. **Geography of Europe.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

405. **Geography of the Soviet Union.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

406. **Geography of Africa.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

407. **Geography of East and South Asia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

408. **Geography of Southwest Asia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

410. **Advanced Cartography.** 2 hrs. Prerequisite: GHY 310. Corequisite: GHY 410-L. Map projections, geodesy, quantitative symbolization, color separation, reproduction.

+ 410-L. **Advanced Cartography Laboratory.** 2 hrs. Corequisite: GHY 410. Advanced map design, scribing, and reproduction laboratory.

412. **Remote Sensing of the Environment.** 2 hrs. Prerequisite: GHY 411 or permission of instructor. Theory of acquisition processing, and analysis of remotely sensed data and images, and survey of environment applications of remote sensing.

+ 412-L. **Remote Sensing Laboratory.** 1 hr. Corequisite: GHY 412. Processing and analysis of data and images collected by remote sensing methods.

413. **Field Methods.** 3 hrs. Basic methods used to classify, analyze, and report field-gathered data in geography and planning.

415. **Quantitative Methods in Spatial Analysis.** 3 hrs. A basic course in statistical and other quantitative techniques applied to problems of spatial analysis. (Completion of MAT 101 is recommended.)

416. **Computer Applications in Geography.** 2 hrs. Prerequisite: Experience using non-procedural computer languages. Corequisite: GHY 416-L. Concepts and applications of computerized geographic mapping, information, simulation, and analytic systems.

+ 416-L. **Computer Applications in Geography Laboratory.** 1 hr. Corequisite: GHY 416. Operation of computerized geographic information, simulation, and analytic systems. Uses non-procedural techniques.

417. **Geographic Information System Design.** 2 hrs. Prerequisite: FORTRAN or Pascal. Theory, design, and application of geographic data handling and analysis systems.

+ 417-L. **Geographic Information System Design Laboratory.** 2 hrs. Pre- or Corequisite: GHY 417. Design and programming of geographic data handling and analysis systems using the Ada programming language.

418. **Geographic Information Management.** 2 hrs. Prerequisite: GHY 417. Implementation and management of GIS in public sector organizations and use of GIS in decision-making.

+ 418-L. **Geographic Information Management Laboratory.** 1 hr. Corequisite: GHY 418. Construction and use of a GIS data base in response to decision-making needs.

422. **Geography of Soils.** 3 hrs. Study of formulation, distribution, and use of soils; emphasis on soils of south Mississippi; fieldwork and laboratory analysis.

425. **Applied Climatology.** 3 hrs. Study of climatological aspects of atmospheric pollution; includes chemical, medical, legal, economic, and community-planning dimensions of air pollution.

427. **Meteorology.** 3 hrs. Study of the temporal and areal variations in composition, structure, and working of the atmosphere. Practice in use of instruments and measurements.

428. **Severe Storms.** 3 hrs. An examination of the causes, characteristics and destructive nature of severe weather.

432. **Environmental Perception.** 3 hrs. An analysis of man's perception of his cultural-social environment; considers both the physical and man-made landscape.

435. **Historical Geography of the American Landscape.** 3 hrs. Study of evolution of cultural landscapes of the area now comprising the United States; emphasis on processes of change.

440. **Population and Human resources.** 3 hrs. A geographical analysis of the biological and cultural characteristics of population.

451. **Theory of Economic Location.** 3 hrs. Principles of economic location analysis with emphasis on locational decision making and investment by different types of businesses. Relevance to economic development is stressed.

453. **Transporation and Land Use.** 3 hrs. Study of the various transportation modes and the effect they have on contemporary development problems.

473. **Water Resources.** 3 hrs. Study of hydrologic processes and their application to needs of cities, industry, agriculture, and recreation.

474. **Watershed Management.** 3 hrs. Investigation of watersheds as planning and management units; emphasis on relationship of water to other resources. Game theory used.

489. **Caribbean Studies.** 3 hrs. Variable content. Lecture series, field exercises, and research offered abroad under the auspices of the Center for International Education.

491. **Geography Internship.** 1-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-3 hrs. May be repeated for a total of six hours. (Students undertaking a Seniors Honor Project will enroll in GHY H492.)

493. **Internship in Cartography.** 1-6 hrs. Prerequisite: Permission of Instructor.

494. **Prolaboratory in Cartography.** 1-3 hrs. Prerequisite: Permission of Instructor. Preparation and presentation of a professional cartographic or remote sensing project. May be repeated with change of content for a total of six (6) hours of credit.

499. **British Studies.** 3-6 hrs.

GEOLOGY (GLY—340)

101. **Physical Geology.** 3 hrs. An introductory course emphasizing the origin and nature of earth materials and processes affecting the earth's surface and interior. (JC 1113)

\+ 101-L. **Physical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 101. An elementary study of rocks, minerals, and maps. (JC 1111)

103. **Historical Geology.** 3 hrs. Prerequisite: GLY 101. A study of earth history as revealed in the character and fossil content of rocks. (JC 1123)

\+ 103-L. **Historical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 103. Introduction to the study of fossils and interpretation of geologic maps. (JC 1121)

151. **Introduction to Ocean Science.** 3 hrs. Survey of the physical, chemical, geological, and biological features of the ocean. (Same as MAR 151)

\+ 151-L. **Introduction to Ocean Science Laboratory.** 1 hr. Pre- or Corequisite: GLY 151. Elementary exercises for interpreting oceanographic data and samples. (Same as MAR 151-L)

301. **Mineralogy.** 3 hrs. Prerequisites: GLY 101, 101-L, CHE 102. Pre- or Corequisite: GLY 103, 103-L. Elements of crystallography, silicate structure, and determinative mineralogy.

\+ 301-L. **Mineralogy Laboratory.** 1 hr. Must be taken concurrently with GLY 301.

304. **Petrology.** 3 hrs. Prerequisites: GLY 301, 301-L. Principles of rock genesis, classification, and recognition.

\+ 304-L. **Petrology Laboratory.** 1 hr. Must be taken concurrently with GLY 304.

306. **Environmental Geology.** 3 hrs. Prerequisite: GLY 101 or permission of instructor. The nature of geological hazards and man's impact on the environment.

308. **Structural Geology.** 3 hrs. Pre- or Corequisite: GLY 301. Principles of rock deformation.

\+ 308-L. **Structural Geology Laboratory.** 1 hr. Must be taken concurrently with GLY 308.

310. **Geomorphology.** 2 hrs. Prerequisites: GLY 101, 101-L; MAT 103 or equivalent. Study of geologic processes involved in landscape development.

\+ 310-L. **Geomorphology Laboratory.** 1 hr. Must be taken concurrently with GLY 310.

311. **Field Geology.** 6 hrs. Prerequisites: GLY 380 or permission of instructor. Preparation of stratigraphic and structure sections, use of Brunton compass, and geologic map preparation in the field.

341. **Invertebrate Paleontology.** 3 hrs. Prerequisites: GLY 103, 103L, BSC 110 or equivalent, or permission of instructor. Taxonomy, morphological features, and geologic distribution of invertebrate fossils.

\+ 341-L. **Invertebrate Paleontology Laboratory.** 1 hr. Must be taken concurrently with GLY 341.

380. **Introduction to Geological Field Work.** 2 hrs. Prerequisite: GLY 308. Pre- or Corequisites: GLY 304. Practice in use of Brunton compass, geological map-making, recording field data, and keeping field notes.

401. **Principles of Stratigraphy.** 3 hrs. Prerequisites: GLY 301, 308, 341, or permission of instructor. A study of the character and distribution of sedimentary rock units in space and time.

403. **Optical Mineralogy.** 3 hrs. Pre- or Corequisite: GLY 304. Introduction to optical mineralogy, and thin section study of rocks using polarizing microscope.

+ 403-L. **Optical Mineralogy Laboratory.** 1 hr. Must be taken concurrently with GLY 403.

404. **Coal Petrology.** 2 hrs. Prerequisites: GLY 304 or permission of instructor; BSC 210 and CHE 251 recommended. A study of origin, coalification and maceral composition of coal and the application to problems of paleobotany, oil and gas prospecting and fuel technology.

+ 404-L. **Coal Petrology Laboratory.** 1 hr. Must be taken concurrently with GLY 404.

405. **Sedimentology.** 3 hrs. Prerequisite: GLY 304. Origin of sedimentary particles, sedimentary structures and classification of sedimentary rocks.

+ 405-L. **Sedimentology Laboratory.** 1 hr. Must be taken concurrently with GLY 405.

406. **Fundamentals of Crystallography.** 1 hr. Prerequisite: MAT 103. An introduction to the concepts of crystal systems, morphology, Herman-Mauguin symbols, Bravais lattice, unit cells, Miller indices, and X-ray diffraction. For non-geology majors.

+ 406-L. **Fundamentals of Crystallography Laboratory.** 1 hr. Corequisite: GLY 406.

407. **Principles of X-ray Diffraction.** 1 hr. Prerequisites: GLY 301, 406, or permission of instructor. Introduction to principles, analytical techniques, and precautions involved in X-ray diffraction instrumentation.

+ 407-L. **Principles of X-ray Diffraction Laboratory.** 1 hr. Must be taken concurrently with GLY 407.

409. **Carbonate Sediments.** 3 hrs. Prerequisite: GLY 405. Comprehensive treatment of limestone sedimentology and petrology.

+ 409-L. **Carbonate Sediments Laboratory.** 1 hr. Pre- or Corequisite: GLY 304.

410. **Elements of Geochemistry.** 3 hrs. Prerequisite: GLY 304. Chemical principles governing the formation of minerals and rocks and their reactions with the lithosphere, hydrosphere, atmosphere, and biosphere.

411. **Applied Groundwater Geochemistry.** 3 hrs. Prerequisites: GLY 410, 476 recommended. Design and implementation of groundwater geochemistry monitoring programs for hydrogeological site assessment.

420. **Applied Geophysics I.** 2 hrs. Prerequisites: GLY 308, PHY 201 or consent of instructor. Introduction to seismic methods used in hydrocarbon and mineral exploration.

+ 420-L. **Applied Geophysics I Laboratory.** 1 hr. Corequisite: GLY 420. Introductory exercises in seismic computation and interpretation.

421. **Applied Geophysics II.** 2 hrs. Prerequisites: GLY 308, PHY 201 or consent of instructor. Introduction to gravity, magnetic, and electrical methods used in hydrocarbon and mineral exploration.

+ 421-L. **Applied Geophysics II Laboratory.** 1 hr. Corequisite: GLY 421. Introductory exercises in computation and interpretation of gravity, magnetic, and electrical fields.

422. **Geophysical Well-Logging.** 2 hrs. Prerequisites: GLY 101, MAT 103, PHY 201. Pre- or Corequisite: GLY 405. Principles of obtaining data from bore hole instruments, and geological interpretation of data.

+ 422-L. **Geophysical Well-Logging Laboratory.** 1 hr. Must be taken concurrently with GLY 422.

430. **Principles of Geology for Science Teachers.** 3 hrs. Prerequisite: Permission of instructor. Principles of physical and historical geology for teachers. Not applicable to geology degree.

+ 430-L. **Principles of Geology for Science Teachers Laboratory.** 3 hrs. Must be taken concurrently with GLY 430.

431. **Coastal Marine Geology.** 3 hrs. Gulf Coast Research Laboratory. Prerequisite 6 sem. hrs. in geology. Inshore and nearshore geological processes, sedimentation patterns, and landforms.

443. **Calcareous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of microfossils.

+ 443-L. **Calcareous Micropaleontology Laboratory.** 1 hr. Must be taken concurrently with GLY 443.

444. **Siliceous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of siliceous and organic-walled microfossils.

+ 444-L. **Siliceous Micropaleontology Laboratory.** 1 hr. Must be taken concurrently with GLY 444.

450. **Geological Marine Science.** 3 hrs. Pre- or Corequisite: GLY 405, or consent of instructor. Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments. (Same as MAR 481)

+ 450-L. **Geological Marine Science Laboratory.** 1 hr. Corequisite: GLY 450. (Same as MAR 481-L)

451. **Advanced Field Geology.** 6 hrs. Prerequisite: GLY 311. Supervised detailed individual mapping project.

465. **Engineering Geology.** 3 hrs. Prerequisite: GLY 308 or permission of instructor. The integration of geologic and engineering principles and their application in the evaluation and utilization of Earth resources and the mitigation of natural and human-induced hazards.

470. **Petroleum Geology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instructor. The origin, occurrence, and accumulation of oil and natural gas.

474. **Geological Excursion.** 1 hr. Field studies of geological phenomena in areas remote from the campus.

476. **Hydrology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instructor. An introduction to the origin, distribution, movement and properties of the waters of the earth.

487. **Industrial Rocks and Minerals.** 3 hrs. Prerequisite: Permission of instructor. Nature and formation of industrial rock and mineral deposits.

488. **Ore Deposits.** 3 hrs. Prerequisites: GLY 304, 410. Nature and formation of metallic mineral concentrations.

492. **Special Problems in Geology I, II, III.** 1-3 hrs. Prerequisites: Senior standing and permission of the chairman. Independent study or research.

498. **Senior Thesis.** 3 hrs. Prerequisite: Permission of Department. Formal presentation and publication of supervised research for students with senior standing. Degree requirement for McCarty Scholarship awardees.

HISTORY (HIS—272)

ECO 310 and PS 420, 421, and 425 may be selected as history if approved by the student's adviser. No more than six (6) hours of these courses may be counted as history credit.

101. **World Civilization to 1648 A.D.** 3 hrs. (JC 1113, 1143, 1163)

102. **World Civilization Since 1648 A.D.** 3 hrs. (JC 1123, 1153, 1173)

140. **United States to 1877.** 3 hrs. (JC 2213, 2243)

141. **United States Since 1877.** 3 hrs. (JC 2223, 2253)

301. **Modern China and Japan.** 3 hrs. An historical study of China and Japan in the 19th and 20th centuries.

303. **Studies in Non-Western History.** 3 hrs. May be repeated for a total of nine hours.

310. **The Classical World.** 3 hrs.

311. **The Middle Ages.** 3 hrs.

313. **Early English History.** 3 hrs.

315. **Studies in European History.** 3 hrs. May be repeated for a total of nine hours.

317. **Exploration and Discovery from Columbus to Darwin.** 3 hrs.

318. **War and Science in Modern History.** 3 hrs. Examines the role of science in warfare and the effect of warfare on science, from c 1900 to the present.

340. **Afro-American History.** 3 hrs. A chronologically arranged survey of the black political, social, economic, and intellectual experience in slavery and freedom, with emphasis on protest thought and deed.

341. **Mississippi History.** 3 hrs. A survey of Mississippi's economic, social, and political development from seventeenth century European settlement to the present.

342. **U.S. Military History.** 3 hrs. A survey of American military history.

344. **Studies in United States History.** 3 hrs. May be repeated for a total of nine hours.

345. **Introduction to Historical Methodology.** 3 hrs. A basic course to acquaint the student with the theory and practice of historical study.

347. **World War II.** 3 hrs. The military history of the Second World War from 1939 to 1945.

382. **Studies in Latin American History.** 3 hrs. An undergraduate seminar dealing with a variety of Latin American topics. May be repeated for a total of nine hours.

383. **Survey of Latin American History: From Columbus to Castro.** 3 hrs. A study of Latin American history from the conquest to the present with an emphasis on social, economic, and cultural developments.

400. **Italian Studies: Variable Topics in Italian History.** 3 hrs. A study of selected political, economic, social and diplomatic themes in Italian history. May be taken for a total of 6 hours.

401. **Intellectual and Cultural History of the USA.** 3 hrs. A survey of philosophy, social thought and cultural developments from the 17th century to the present.

407. **Renaissance and Reformation.** 3 hrs. A survey of major intellectual/religious changes in early Modern Europe.

409. **Themes in the Non-Western World.** 3 hrs. An analysis of economic, political, social, and cultural issues which have shaped relations between the Western and non-Western worlds.

410. **Themes in World History 1, 2, 3.** 3-9 hrs. Course designed for elementary and secondary school teachers to enhance their world history teaching skills. Course will not fulfill undergraduate history requirements.

411. **History of the USSR.** 3 hrs.

412. **English Constitutional and Legal History.** 3 hrs. Emphasis on the main trends in the evolution of the modern common law system and the contemporary constitution.

413. **Medieval Life and Thought.** 3 hrs.

414. **Nazi Germany.** 3 hrs. A survey of the political, diplomatic, economic, and social developments in Germany from 1919 through 1945.

415. **French Revolution and Napoleon.** 3 hrs. A study of Revolutionary and Napoleonic France and its impact on Europe.

416. **Europe 1815-1870.** 3 hrs. A survey of early nineteenth century Europe, with emphasis on nationalism and the quest for reform.

417. **Europe 1870-1914.** 3 hrs. A survey of late nineteenth and early twentieth century Europe with emphasis on the growth of democracy, the expansion of empires, and the origin of World War I.

418. **Europe 1914-1945.** 3 hrs.

419. **Europe Since 1945.** 3 hrs. A survey of European history since the end of World War II, covering such key developments as economic reconstruction, the Cold War, NATO, and the Common Market.

420. **France, 1815-Present.** 3 hrs. A survey of French history after Napoleon emphasizing the evolution of political and social structures.

421. **Tudor-Stuart Britain.** 3 hrs.

422. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in history of science offered abroad under auspices of Institute of Anglo-American Studies. (May be taken as BSC 422 or SCE 422)

423. **History of Science and Technology.** 3 hrs. An interdisciplinary course designed for both science and liberal arts students. Traces the development of science and technology and their role in society from the Renaissance to the present. (Cross-listed as BSC 423, HUM 423.)

424. **Intellectual and Cultural History of Modern Europe.** 3 hrs. Philosophy, social thought, and the arts from the Enlightenment to the present.

425. **Nineteenth and Twentieth Century Britain.** 3 hrs.

426. **Topics in British Commonwealth History.** 3 hrs. The British Commonwealth from its mid-nineteenth century origins to the present. Will focus on Canada and various other Commonwealth nations.

430. **Oral History.** 3 hrs. The theory and practice of collecting and using oral sources in historical research.

440. **The Age of Jefferson and Jackson.** 3 hrs. A study of political, social, and cultural changes in the United States from 1789-1848.

442. **The Old South.** 3 hrs. The social, economic, and cultural history of the antebellum South with particular emphasis on the plantation system and slavery.

443. **The New South.** 3 hrs. An analysis of the peculiarities of the South's social, economic, political, and intellectual development from 1877 to the present. Emphasis is placed on those factors making the South distinctive in American history.

444. **Women in American Society.** 3 hrs. A survey of the experience of American women from the colonial period to the present with emphasis on the evolution of woman's role in society in response to changing economic and social conditions.

445. **U. S. Foreign Relations to 1914.** 3 hrs. A study of U. S. foreign policy from the American Revolution to World War I with an emphasis on manifest destiny and American expansion.

446. **U. S. Foreign Relations Since 1914.** 3 hrs. A continuation of HIS 445 with an emphasis on the diplomacy of World War I, the events leading to World War II, World War II, and the Cold War.

447. **Colonial America.** 3 hrs. Development of social, political, economic, and religious life in the English colonies of North America to 1763.

448. **The American Revolution.** 3 hrs. A discussion course concerning the dispute between Great Britain and her American colonies which led to the development of a new nation.

450. **The Southern Frontier.** 3 hrs. Examines through lectures and discussions pioneer and Indian life in Mississippi, Alabama, Louisiana, Tennessee and Georgia.

451. **The Western Frontier.** 3 hrs. Examines the significance of frontier types west of the Mississippi including explorers, mountain men, cowboys, farmers, miners, railroaders, and Indians.

452. **The Sectional Controversy and the Civil War, 1848-1877.** 3 hrs. An examination of sectional conflict, Civil War, and Reconstruction with primary emphasis on political and military history.

453. **Modern America, 1877-1919.** 3 hrs. A survey of political, economic, diplomatic, and social developments in the United States from the close of the Civil War through the end of World War I.

454. **Twentieth Century America, 1919-1945.** 3 hrs. A detailed examination of the social, intellectual, political, diplomatic, and economic history of the interwar years.

456. **Law in American History.** 3 hrs. Traces the relationship between law and society throughout American history.

458. **Our Times.** 3 hrs. A detailed examination of social, intellectual, political, diplomatic, and economic history since World War II.

480. **History of Mexico and the Caribbean.** 3 hrs.

483. **Studies in South American History.** 3 hrs. Content varies in response to student interests. May be repeated for a total of six hours.

488. **Methods of Teaching Social Studies.** 3 hrs. Methods of lesson planning, preparing materials, teaching, and testing in secondary social studies courses. Not to be counted toward 36 hour major requirement in History.

489. **Austrian Studies.** 3-6 hrs. Variable topics in Central European History.

490. **Student Teaching—Social Studies.** 12 hrs.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in HIS H492.)

498. **Mid-East Studies.** 3-6 hrs. Variable topics in the History of the Middle East.

499. **British Studies: Seminar in European Studies.** 3-6 hrs. Lecture series and research in European studies offered abroad under auspices of institute of Anglo-American Studies.

HOME ECONOMICS EDUCATION (HEE—820)

101. **Home Economics Seminar.** 1 hr. History and philosophy of home economics and the preparation of the professional home economics graduate.

201. **Introduction to Vocational Home Economics Education.** 3 hrs. Prerequisite: Sophomore standing. Organization and operation of vocational home economics programs; exploration of the unique responsibilities of the teacher; early field experiences provided.

301. **Methods of Teaching Home Economics.** 3 hrs. Prerequisite: Basic Core (VHEE) or Junior standing (HEIB). Planning and organizing the home economics curriculum; use of various instructional strategies; managing the classroom and laboratories.

302. **Methods of Teaching Dietetics.** 3 hrs. Prerequisite: Junior in dietetics. Planning and organizing instruction in dietetics for various institutional settings.

401. **Family Life Education.** 3 hrs. General philosophy and broad principles of family life education with emphasis on planning, implementing, and evaluating such educational programs. (Prerequisite: 3 hrs. in Family Relations.)

404. **Consumer Economics.** 3 hrs. Study of how consumers, business, and government interact in the exchange of goods and services in the marketplace.

409. **Occupational Home Economics.** 3 hrs. Developing and evaluating teaching units for home economics-related occupational programs.

412. **Supervised Field Experience in Home Economics Related Occupations.** 6 hrs. Preparation for Mississippi Certification in Occupational Home Economics; supervised work experience is required.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

490. **Student Teaching in Home Economics.** 12 hrs. Prerequisite: Basic and Advanced Core; HEE 301 with grade no lower than **B**.

492. **Special Problems.** 1-4 hrs. Arr. (Students undertaking a Seniors Honor Project will enroll in HEE H492.)

HONORS COLLEGE (HON—000)

101. Leadership Orientation. 1 hr. The course will introduce students to Honors education and offer an overview of opportunities at the University for developing one's skills as a leader.

111. **Honors Colloquium.** 4 hrs. World thought and culture.

112. **Honors Colloquium.** 4 hrs. Continuation of HON 111.

211. **Honors Colloquium.** 3 hrs. Continuation of HON 112.

212. **Honors Colloquium.** 3 hrs. Continuation of HON 211.

301. **Prospectus Writing.** 1 hr. Introductory research methods for Honors students. Pass/Fail.

321. **University Forum.** 1 hr. A presentation of major themes in humanities, science, and social science. This course may be repeated for up to 8 hours of credit.

322. **University Forum.** 1 hr. Continuation of HON 321.

391. **Exchange Year Abroad.** 30-36 hrs.

403. **Honors Seminar.** 3 hrs. Topical seminars on a wide range of subjects. Repeatable as topics vary up to 12 hrs.

411. **Honors Directed Study.** 3 hrs. Independent study for Honors students.

492. **Honors Research.** 1-3 hrs. Senior project.

499. **British Studies.** 3-6 hrs.

Special Honors sections are also offered by many departments.

HOTEL, RESTAURANT AND TOURISM MANAGEMENT (HRT—818)

179. Introduction to Hotel, Restaurant, and Tourism Management. 1 hr. An introductory course in the lodging, food service, and tourism industries.

279. **Practicum in Hotel, Restaurant, and Tourism Management.** 2 hrs. Prerequisites: Sophomore Standing and permission of the faculty. Field experience in a hotel, restaurant, or tourism related work setting.

375. **Beverage Management.** 3 hrs. Basic principles and procedures of effective beverage selection, control, and management.

376. **Front Office Administration for Lodging Facilities.** 3 hrs. Organization, management, and operating procedures of the front office in lodging facilities.

478. **Seminar in Hotel, Restaurant, and Tourism Management.** 1-6 hrs. Arr. Prerequisite: Permission of faculty. Discussion and analysis of principles, trends, and practices in the industry.

479. **Internship in Lodging, Food Service, and Tourism.** 4-9 hrs. Arr. Prerequisite: HRT 279, an overall GPA of at least 2.0 and permission of faculty. Supervised experience in a lodging, tourism, and/or food service management training program.

480. **Hospitality Industry Accounting.** 3 hrs. Prerequisite: ACC 200. Accounting principles applied to the hospitality industry. Financial statement analysis and managerial accounting emphasized.

481. **Legal Aspects of the Hospitality Industry.** 3 hrs. Prerequisite: BA 200. Origin, development, and principles of common and statutory law as it applies to the hospitality industry.

482. **Marketing of Hospitality and Travel Services.** 3 hrs. Prerequisite: MKT 300 or 355. Analysis of the planning, developing, and marketing of food, lodging, and travel services.

483. **Dimensions of Tourism.** 3 hrs. Study of the components and forces which influence the international and domestic hospitality and travel industries.

484. **Lodging and Food Service Properties Management.** 3 hrs. Prerequisite: HRT 376. Engineering, maintenance, and security systems for lodging and food service operations.

485. **Convention and Exposition Management.** 3 hrs. Prerequisite: MKT 300. Planning, promotion, and management of meetings, conventions, and expositions.

490. **International Studies in Hotel, Restaurant, and Tourism Management.** 3-6 hrs. Arr. Examination of hospitality, tourism, and food service industry via international lectures and field trips.

492. **Special Problems in Hotel and Restaurant Management.** 1-6 hrs. (Students undertaking a Seniors Honor Project will enroll in HRT H492.)

494. **Tourism Destination Development.** 3 hrs. Prerequisite: HRT 483. Study of community impacts—positive and adverse—of different tourism enterprises. Special emphasis on festivals and community events.

HUMANITIES (HUM—011)

214. **Modern Europe.** 3 hrs.

233. **Greek Literature and Culture.** 3 hrs. A study of masterworks by Homer, Plato, and Aristotle.

253. **Roman Literature and Culture.** 3 hrs. A study of major works, including the **Aeneid,** in their cultural and historical contexts.

280. **Ancient Egypt.** 3 hrs. An introduction to Pharaonic Egypt with emphases on the system of writing and language, literature, art, religion, and history.

310. **French Literature.** 3 hrs. A study of major prose works, primarily of the nineteenth century, in their cultural and historical contexts.

320. **German Literature.** 3 hrs. A study of selected major works, including Goethe's **Faust,** in their cultural and historical contexts.

340. **The Italian Renaissance.** 3 hrs. A study of major works, including the **Divine Comedy,** in their cultural and historical contexts.

354. **Medieval and Renaissance Humanism.** 3 hrs. A study of major works, including Augustine's **City of God,** in their cultural and historical contexts.

370. **Spanish Literature.** 3 hrs. A survey of the literature of Spain from 1140 to 1940.

423. **History of Science and Technology.** 3 hrs. Cross-listed as HIS 423, BSC 423, and PHY 485.

433. **History of the Book.** 3 hrs. A study of the origins and early development of books and printing in Western Europe and the Americas. (May be taken as LS 433.)

490. **Studies in European Humanities.** 3 hrs. A study of selected works in their cultural and historical contexts. Texts and topics vary.

495. **Proseminar in Humanities.** 1-2 hrs., repeatable to 3 hrs. Prerequisite: Assignment to a Humanities mentor. Supervised writing on an approved topic.

INDUSTRIAL AND VOCATIONAL EDUCATION (IVE—165)

116. **Multifield Crafts Laboratory.** 3 hrs. An introduction to contemporary art-crafts with laboratory experience and skill development. A multiple activity emphasis.

301. **Applied Electricity.** 3 hrs. Introduction to electrical theory. Laboratory experience with basic communications and industrial circuits.

302. **Applied Electronics.** 3 hrs. Prerequisite: IVE 301. A continuation of electron theory and laboratory experience with communications and industrial circuits.

303. **Industrial Electronics.** 3 hrs. Prerequisite: IVE 302. Solid state integrated circuits. Printed circuit board fabrication and trouble-shooting.

314. **Leather Craft.** 3 hrs. Designing, tooling, carving, and finishing leather products.

315. **Plastics.** 3 hrs. Materials in common use, project design, and fabrication.

316. **Power Mechanics.** 3 hrs. Development and use of all forms of power. Laboratory experiences with gasoline engines.

318. **Materials and Processes of Industry.** 3 hrs. A study of manufacturing methods with a wide variety of industrial materials.

319. **Industrial Arts for Elementary Teachers.** 3 hrs. A methods course for elementary teachers.

323. **Engineering Drawing I.** 3 hrs.

324. **Engineering Drawing II.** 3 hrs. Prerequisites: IVE 323. Includes hands-on CAD.

331. **Woodwork.** 3 hrs. Introduction to woodworking tools; materials, processes, and products.

332. **Finishing Materials and Applications.** 3 hrs. A course covering equipment, materials, and techniques.

333. **Advanced Woodwork.** 3 hrs. Prerequisite: IVE 331. Emphasis upon design, machine use, and advanced project construction.

350. **Architectural Drawing.** 3 hrs. Practice in drafting contemporary house plans, floor plans, evaluations, sections, details, etc. Includes hands-on CAD.

360. **General Metals.** 3 hrs. Introduction to the field of metal working.

361. **Sheet Metal Fabrication.** 3 hrs. Pattern making and metal forming processes.

362. **Machining Processes.** 3 hrs. Prerequisite: IVE 360. Typical machine operations including turning, drilling, milling, etc. Introduction to CNC and CAM.

364. **Welding.** 3 hrs. Theory and practice in gas and arc welding.

365. **Casting Technology.** 3 hrs. Investigations and laboratory experiences in casting processes.

366. **Decorative Metal Work.** 3 hrs. Designing, constructing, and finishing of decorative objects in metal.

400. **Shop Planning and Equipment Selection.** 3 hrs. A study of shop layout, equipment specifications, cost, and procurement.

420. **Industrial Materials Testing.** 3 hrs. A systematic study of common industrial materials, their properties, and application through experiments and research.

421. **Power Transmissions.** 3 hrs. A study of mechanical, hydraulic, pneumatic, and electrical power amplification and transmission.

432. **Problems of Adult Education.** 3 hrs. Methods and techniques in teaching adults in industrial education classes.

433. **Curriculum Construction for Cooperative and Adult Vocational Classes.** 3 hrs. Objectives, content, arrangement and techniques of teaching in part-time cooperative and evening programs.

434. **Occupational Surveys.** 3 hrs. Planning and conducting occupational surveys for educational purposes.

441. **Philosophy and Principles of Vo Tech Instruction.** 3 hrs. A methods course for teaching trade, technical and other vocational subjects.

442. **Management of the Vo Tech Learning Environment.** 3 hrs. Organization and management of students, equipment, and physical facilities.

443. **Design of the Vo Tech Instructional Program.** 3 hrs. Occupational analysis based design and sequencing of instructional components, and the development of appropriate support materials.

444. **Development of Vo Tech Instructional Materials.** 3 hrs. Selection, development and use of instructional aids, with an emphasis on media production.

445. **Delivery of the Vo Tech Instructional Program.** 3 hrs. Learning theory based techniques of instructional delivery in the vocational classroom and laboratory.

446. **Evaluation of Vo Tech Student Performance.** 3 hrs. Development and utilization of various measuring devices and techniques, statistical treatment of data, and grade assignments.

447. **Industrial Human Relations.** 3 hrs. A study of human behavior and interpersonal dynamics within the industrial organization and environment. Primarily for industrial educators.

448. **Industrial and Vocational Safety.** 3 hrs. Analysis of fundamentals of accident prevention and their application in school and industrial shops.

449. **Student Leadership Development in Vocational Education.** 3 hrs. A course designed to impart detailed information regarding activities and responsibilities of the vocational student organization advisor.

452. **History and Philosophy of Vocational Education.** 3 hrs. Objectives, principles, aims, and organization of programs in schools and colleges.

453. **Problems of the Coordinator.** 3 hrs. A study of the problems, procedures, techniques, etc., in the operation of part-time cooperative education.

462. **Computer Numerical Control Machining.** 3 hrs. Advanced study of computer numerical control machining; programming, operations, applications, maintenance and future developments. Hands-on CNC laboratory experience.

465. **Microcomputers in Industrial/Vocational/Technical Education.** 3 hrs. Skill development in the use of microcomputers and software appropriate to teaching and managing industrial, vocational, and technical education activities.

467. **Desktop Publishing and Presentation Graphics.** 3 hrs. Office based microcomputer production of typeface/graphics enhanced media, designed to be both pleasing in appearance and effective in communication.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

483. **Occupational Safety.** 3 hrs. Organization and administration of safety programs including implementation of the Occupational Safety and Health Act. Primarily for industrial educators.

492. **Industrial Special Problems.** 1-3 hrs. Prerequisites: Senior standing and chair's permission.

+ 494. **Student Teaching in Vocational-Technical Education.** 12 hrs. Prerequisite: IVE 441. For students who plan to teach in a post-secondary vocational or technical program and who are not presently employed in such a program.

+ 495. **Internship in Vocational-Technical Education.** 1-9 hrs. Prerequisite: IVE 441. A nine-months' supervised experience for practicing teachers of vocational or technical subjects.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

INDUSTRIAL ENGINEERING TECHNOLOGY (INT—395)

148. **Engineering Graphics.** 3 hrs. The basics of engineering drawing: tools and equipment, geometric construction, sketching, projections, dimensioning, and tolerances. Introduction to computer-aided drafting and design (CADD).

249. **Production Graphics.** 3 hrs. Prerequisite: INT 148 or equivalent. Graphical procedures used in industrial processes and product development. Includes auxiliary views, intersections, and an introduction to computer-aided design.

250. **Descriptive Geometry.** 3 hrs. Graphical and numerical techniques for orthographic projections.

300. **Manufacturing Processes.** 2 hrs. Prerequisites: IVE 360 and 362. Elementary manufacturing operations and their combination into manufacturing processes.

+ 301. **Engineering Economics.** 3 hrs. Aspects of investment analysis relating to equipment justification, retirement, and replacement in industry.

+ 302. **Industrial Quality Control.** 3 hrs. Prerequisite: CSS 211. The use of control charts, acceptance sampling, and tolerances to test and improve product quality. Basic reliability.

306. **Electrical Power System Instrumentation.** 3 hrs. Instrumentation and techniques for monitoring electrical power system operation.

308. **Maintenance Engineering Technology.** 3 hrs. Problems associated with keeping an operating system at a highly productive level and maintaining buildings and grounds.

392. **Special Problems.** 1-3 hrs. arr. Prerequisite: Junior standing and approval of faculty adviser. Individual or group study in area not covered by available courses.

400. **Senior Project.** 3 hrs. arr. Prerequisite: Senior standing and approval of faculty adviser. Student required to complete project in his or her area of specialization.

401. **Senior Project.** 3 hrs. arr. Continuation of INT 400.

+ 405. **Production and Inventory Control Systems.** 3 hrs. Principles of production and inventory planning and control. Forecasting techniques, EOQ, MRP, production scheduling, line balancing, CPM/PERT.

406. **Industrial Automation.** 3 hrs. Elements of automated machinery.

407. **Personnel in Technology.** 3 hrs. Concepts, principles, techniques, and programs essential to the employment, development, utilization and supervision of industrial personnel.

+ 408. **Innovations in Technology.** 3 hrs. A survey of CAD/CAM systems and recent developments in the field. Computer integrated manufacturing, group technology, artificial intelligence, laser beam technology.

409. **Plant Layout and Material Handling.** 3 hrs. Effectiveness of plant layout and material handling to the production activity, involving personnel, materials, tools and equipment.

410. **Human Factors.** 3 hrs. Interaction between humans and their work environment: information transfer, tools, workspaces and external influences.

410-L. **Human Factors Laboratory.** 1 hr.

440. **Alternate Energy Systems.** 3 hrs. Study of alternative sources of energy and power.

441. **Industrial Energy Management.** 3 hrs. A study of the technical and economic considerations for energy management in industry.

443. **Power Plants.** 3 hrs. Study of stationary power plants, economics, efficiency, components, fuels, and typical industrial applications.

460. **Manufacturing Engineering Technology.** 3 hrs. Prerequisite: IVE 362. Corequisite: INT 460L. Principles and functions essential to the manufacture of tangible product. Materials, processes, quality, and other technical considerations.

460L. **Manufacturing Engineering Technology Laboratory.** 1 hr. Corequisite: INT 460.

462. **Power System Economics.** 3 hrs. Prerequisite: ELT 461. Economics of power system operation: cost analysis, rate determination, optimum system operation.

463. **Computer Methods in Electrical Power.** 3 hrs. Prerequisite: ELT 461. Computer-aided analysis and design of electric power systems.

476. **Electrical Safety in Industry.** 3 hrs. Electrical equipment safety. Injuries caused by electrical faults. Inspection and maintenance of electrical equipment.

477. **Fire Safety in Industry.** 3 hrs. Factors contributing to industrial fires. Chemistry and classifications of fires. Fire extinguishers and water systems. Fire Prevention.

+ 480. **Industrial Simulation and Modeling.** 3 hrs. Analysis of discrete-event and continuous processes and systems encountered in industry using computer simulation techniques.

491. **Seminar.** 2 hrs. Prerequisite: Senior standing. Tours, guest lectures, student presentations, and discussions of the latest methods in the field.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing; approval of faculty adviser. Supervised study in area not covered by available courses.

INTERIOR DESIGN (ID—812)

140. **Interior Design I.** 3 hrs. An introduction to the field of interior design with emphasis on processes and resources of the designer.

221. **Floral Design.** 3 hrs. Fundamentals of floral arrangement and design.

233. **Shelter Components I.** 3 hrs. Prerequisite: ID 140 or permission of instructor. A study of the architectural materials for interiors with an emphasis on contemporary shelter requirements.

234. **Shelter Components II.** 3 hrs. Prerequisite: ID 233. A study of the architectural materials for interiors with an emphasis on furnishings and accessories.

238. **Visual Communications in Interior Design.** 3 hrs. Prerequisites: ART 101, 111; ACT 132; ID 140 or permission of instructor. An introduction to visual communication in interior design with emphasis on orthographic and free-hand drawing and visual design terminology.

240. **Interior Design II.** 3 hrs. Prerequisites: ID 140; ACT 132; ART 101, 111 or permission of instructor. A studio course for the exploration and application of design methodology to interior environments.

320. **Design Presentation Media.** 5 hrs. Prerequisites: ART 102, 112, ID 238, 240 (with grade of "C" or better). The application of various media and techniques for the presentation of interior design concepts.

332. **Fabric Design II.** 3 hrs. Prerequisites: ID 140 and ART 111. Design by the weaving process.

333. **Textiles for Interiors.** 3 hrs. Prerequisites: ID 140 and 240. A study of the production, properties, and performance of textiles for interiors with emphasis on the selection of textiles for specific environmental applications.

334. **Surface Enrichment.** Prerequisites: ID 320 (with grade of "C" or better), ID 333. An exploration of the methods and processes of the surface enrichment of interior furnishings and textiles.

335. **Historic Interiors and Furnishing I.** 3 hrs. Junior or Senior standing or permission of instructor. A study of the patterns of historical development and change as revealed in European and Oriental furniture styles and domestic interiors from antiquity through twentieth century.

336. **Historic Interiors and Furnishing II.** 3 hrs. Prerequisite: ID 335. American furniture styles and interior design.

337. **Housing and House Furnishings.** 3 hrs. Prerequisite: Junior or senior standing. A study of psychological, sociological, economic, and aesthetic aspects of housing and house furnishings.

338. **Interior Design Trade Techniques.** 3 hrs. Prerequisites: ID 234, 240, 333. A study of information and skills required to select, write specifications, cost, and supervise the construction and/or installation of upholstery, drapery, wall and floor coverings.

339. **Interior Design III.** 3 hrs. Prerequisites: EVD 240; ACT 303 recommended. The analysis and application of building systems, standards, and codes necessary for programming, problem solving and the space planning of interior spaces.

340. **Residential Interiors.** 5 hrs. Prerequisites: 233, 320 (with grade of "C" or better), or permission of instructor. A studio course in advanced problems in space planning, human factors and the application of design principles.

440. **Commercial and Institutional Interiors.** 5 hrs. Prerequisite: ID 340 (with grade of "C" or better). Design problems involving large scale interiors with emphasis on commercial and institutional projects.

441. **Professional Practices and Procedures.** 3 hrs. Prerequisite: ID 340 (with grade of "C" or better). Application of the aspects of business to the interior design profession.

442. **Interior Design Internship.** 4 hrs. Prerequisites: ENG 333; ID 333, 336, 338, and 440 (with grade of "C" or better). A practicum for the interior design student in a working-training situation with a professional interior designer.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

478. **Seminar in Interior Design.** 1-3 hrs. Prerequisite: Junior or senior standing. An indepth study of special topics to meet current needs. May be repeated for a total of no more than six hours.

490. **Practicum.** 3 hrs. Prerequisites: ENG 333; ID 333, 336, 338, 440 (with a grade of "C" or better). Directed in-depth research and problem solving application of a current interior design issue or a design project within the community.

492. **Special Problems.** 1-6 hrs. Prerequisite: 2.0 Overall GPA. Directed individual study. (Students undertaking a Seniors Honor Project will enroll in ID H492.)

497. **British Housing and Interiors.** 3-6 hrs. Studies abroad: a series of lectures and tours by English authorities on interior design topics.

INTERNATIONAL BUSINESS (IB—611)

(Enrollment in courses numbered 300 or above requires at least junior standing)

298. **Study Abroad: Introduction to International Business.** 3 hrs. Prerequisite: Sophomore or above standing. A lecture course covering international business topics. (May not be used by business majors for credit in the major or the business core.)

472. **International Business.** 3 hrs. Prerequisite: FIN 472. A survey of the various elements of international business including a field project related to exporting and importing.

492. **Special Problems in International Business.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in international business. (Students undertaking a Senior Honors Project will enroll in IB H492.)

498. **International Business Seminar Abroad.** 3-6 hrs. May be repeated for total of six hours. Prerequisite: Consent of Program Director. Conducted in various locations abroad: a series of lectures and discussions involving authorities on international business issues and practices.

INTERNATIONAL STUDIES (IS—285)

499. **Seminar in International Studies.** 3 hrs. Analysis of selected topics in international affairs with particular attention to diplomatic, security, economic, and environmental policy analysis.

JOURNALISM (JOU—212)

202. **Basic Newswriting.** 3 hrs. Prerequisites: ENG 101, 102, typing proficiency. Fundamentals of mass media writing. Emphasis on format, writing, and evaluation of news in deadlines situations. (JC 1313)

203. **Reporting.** 3 hrs. Prerequisite: JOU 202. Application of news gathering techniques. Emphasis on interviewing, story idea origination and writing of original material for publication.

231. **Issues in Advertising.** 3 hrs. A study of practices and problems in advertising and its relationship to society.

241. **Basic Elements of Photography.** 3 hrs. Corequisite: JOU 241-L. Introductory course in camera operations, exposing, developing and printing black and white photographs.

\+ 241-L. **Basic Photography/Journalism Laboratory.** 1 hr. Corequisite: JOU 241.

242. **Photojournalism.** 3 hrs. Prerequisites: JOU 241, 241-L. Corequisite: JOU 242-L. Intermediate course in camera and darkroom techniques. Emphasizes presentation of black and white still photojournalism.

\+ 242-L. **Photojournalism Laboratory.** 1 hr. Corequisite: JOU 242.

301. **Feature Writing.** 3 hrs. Prerequisite: JOU 202. Researching and writing feature articles, particularly for the magazine markets. Analyses of the magazine medium and freelance markets.

303. **Investigative Strategies for Journalists.** 3 hrs. Prerequisite: JOU 203. Strategies to locate, understand and use records and documents, including nongovernment sources and computer data bases, interviewing techniques as documentary evidence.

311. **Editing.** 3 hrs. Prerequisite: JOU 202. Practice in the preparation of copy for print publications. Emphasizes precise language usage, news style, headline and caption writing.

312. **Graphic Design.** 3 hrs. Prerequisite: JOU 311. Survey of type and printing, with exercises in copy writing, design and layout of newspaper and other publications.

330. **Advertising Layout.** 3 hrs. Prerequisite: JOU 231. Study and practical exercises in preparation of camera-ready copy for advertising layouts.

331. **Advertising Copywriting.** 3 hrs. Prerequisite: JOU 231, 330. Study and practical assignments in copy writing and designing advertising layouts.

333. **Advertising Media.** 3 hrs. Prerequisites: JOU 231 and CSS 211, ECO 301, PSY 360, or SOC 460. The study of media as vehicles for advertising messages; preparation of media objectives, strategies, budgets and buying plans as integral parts of the advertising process.

340. **Editorial Illustration Photography.** 3 hrs. Prerequisite: JOU 242. Corequisite: JOU 340-L. Specializes in use of medium and large format cameras for industrial and studio shooting of fashion, products, and portraiture.

\+ 340-L. **Editorial Illustration Photography Laboratory.** 1 hr. Corequisite: JOU 340.

342. **History of Still Photography.** 3 hrs. A study of early photographers, photographic techniques, and photographic processes as they relate to modern photographic communication.

346. **Color Photography.** 3 hrs. Prerequisite: JOU 241. Corequisite: JOU 346-L. Color photography and printing techniques using both positive and negative color film.

\+ 346-L. **Color Photography Laboratory.** 1 hr. Corequisite: JOU 346.

402. **Advanced Reporting.** 3 hrs. Prerequisites: JOU 203, 303. Reporting emphasizing research, analysis, and writing about government and public institutions. Traditional and contemporary reporting strategies examined.

403. **Specialized Reporting.** 3 hrs. Prerequisite: JOU 203. Investigative and interpretative reporting of complex or specialized subjects. Emphasis on writing for publication.

405. **Problems in Publication Production.** 3 hrs. Practical training in the production of student publications and advising of staffs.

418. **Practicum in Journalism.** 1-3 hrs. Prerequisite: Consent of adviser. Supervised experience in news, photography, public relations, or advertising.

421. **Public Relations.** 3 hrs. Introduction to the professional practice of public relations, emphasizing its function and process, publics, tools and media of communication and professional ethics.

422. **Public Relations Writing.** 3 hrs. Prerequisites: JOU 202, 421. Concentrates on designing total public relations packages for public, business, and non-profit organizations. Requires production of a publicity campaign.

425. **Business and Professional Publications.** 3 hrs. Prerequisite: JOU 421. Writing, editing, designing, and producing publications used in public relations communication with emphasis on magazines.

428. **Public and Press Relations Management.** 3 hrs. Prerequisite: JOU 421. Emphasizes systematic, analysis of clients and publics, formulation of goals and strategies, and multimedia communications. Evaluation of effectiveness and budget preparation included. Case studies and field project.

429. **Internship.** 3 hrs. Prerequisite: Consent of adviser. Designed for students who have arranged internship in news, photography, advertising, and public relations.

431. **Advertising Campaigns.** 3 hrs. Prerequisite: JOU 330, 331, 333 and Senior Standing. Planning and executing advertising campaigns.

433. **Problems and Cases in Advertising.** 3 hrs. Prerequisites: JOU 231, 330, 331, 333 and Senior Standing. The focus is upon problems, decisions, and decision-making processes of advertising managers with special emphasis upon decision-making across the functional areas of the advertising process.

441. **Photojournalism Portfolio.** 3 hrs. Prerequisite: JOU 242, 340. Corequisite: JOU 441-L. Allows completion of student portfolio entries. Emphasizes presentation formats and styles.

\+ 441-L. **Photojournalism Portfolio Laboratory.** 1 hr. Corequisite: JOU 441.

443. **Photojournalists as Editors.** 3 hrs. Prerequisites: JOU 242. Print media design with an emphasis on photojournalism. Emphasizes personnel and staff management.

450. **History of Journalism.** 3 hrs. Major events, issues, and personalities of American mass media examined within interdisciplinary framework. Historical relations of print media and public institutions emphasized.

452. **Press and Society.** 3 hrs. Roles and responsibilities of mass media in society. Critique of mass media performance. Media codes and controls on the media.

455. **Media Ethics.** 3 hrs. Examination of major moral dilemmas, issues and practices of mass media through lectures and case studies, with emphasis on moral decision-making.

460. **Press Law and Ethics.** 3 hrs. Rights and constraints of the press, with emphasis on both legal and ethical considerations. A study of libel, copyright, monopoly, contempt, regulations, and other aspects of the law as applied to mass communication.

467. **Desktop Publishing and Presentation Graphics.** 3 hrs. Prerequisite: JOU 312 or JOU 330. Office-based microcomputer production of typeface/graphics enhanced media, designed to be both pleasing in appearance and effective.

480. **Seminar in Journalism.** 3 hrs. Examination of theoretical concepts in journalism and the setting for their application. May be repeated for maximum 6 hrs. credit.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in JOU H492.)

498. **British Studies in Photography.** 3-6 hrs. Prerequisite: Consent of Instructor. Lecture and research in British photography abroad under the auspices of Anglo-American Studies.

499. **British Studies in Journalism.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British Journalism offered abroad under the auspices of Institute of Anglo-American Studies.

LIBRARY SCIENCE (LS—170)

101. **Introduction to the Library.** 1 hr. Basic course in keys to information resources.

301. **Introduction to Library Resources and Usage.** 1-3 hrs. A survey of library resources as well as methods and techniques for effective utilization of library materials and services.

401. **Introduction to Reference Resources and Services.** 3 hrs. An introduction to reference materials, services, activities, and functions as well as methods for locating information.

\+ 405. **Cataloging and Classification.** 3 hrs. Principles and methods of cataloging and classifying library materials. Provides practice in biographical description and subject analysis.

406. **Advanced Cataloging and Classification.** 3 hrs. Prerequisite: LS 405. Advanced study of the principles and methods of descriptive and subject cataloging and classification with attention to non-print materials.

408. **School Library Media Centers.** 3 hrs. A survey of the objectives, functions, and organization of the library-media center in elementary and secondary schools.

411. **Development of Multi-Media Collections.** 3 hrs. Philosophy and principles governing the selection and procurement of all types of library materials, including the use of selection aids and bibliographic sources for developing both print and non-print collections.

\+ 416. **Utilization of Audiovisual Media and Equipment.** 3 hrs. A survey of media resources and equipment with an emphasis on utilization in libraries. Provides experience with equipment.

417. **Literature and Related Media for Children.** 3 hrs. A survey of children's literature, traditional and modern, and other related materials for use by and with children in grades 1-6.

418. **Literature and Related Media for Adolescents.** 3 hrs. Study of adolescent literature and other related materials for use by and with young people in grades 7-12.

425. **Instructional Styles and Models in Media Programs.** 3 hrs. The assessment of individualized styles of instruction in school library media centers.

433. **History of the Book.** 3 hrs. A study of the origins and early development of books and printing in Western Europe and the Americas. (May be taken as HUM 433.)

457. **Microcomputers in Libraries.** 3 hrs. Examine the various applications in which microcomputers are and will be utilized in different types of information centers and libraries.

480. **British Studies: Studies in Librarianship.** 3 hrs. Prerequisite: Consent of instructor. Comparative studies of library and information-related institutions, bibliographic organization, models of service and professional practice in the United States and Great Britain.

481. **British Studies: Seminar in Children's and Young Adult Literature.** 3 hrs. Prerequisite: Consent of instructor. Intensive study of specific topics of British interests in literature for children and adolescents.

486. **British Studies: Historical Studies in Children's Literature.** 3 hrs. Prerequisite: Consent of instructor. Traces the development of children's literature in England and the United States to the early 20th Century.

487. **British Studies: Research.** 3 hrs. Prerequisite: Consent of instructor. To provide the opportunity for in-depth research projects.

489. **Library Practicum.** 1-4 hrs. Arr. Supervised work in a library to provide the student with operational library experience.

491. **Problems in School Library Media Center Administration.** 3 hrs. Intensive investigation of the current problems of school library media centers administration. May be taken twice; only three hours of credit can be applied to degree requirements.

492. **Special Problems in Librarianship.** 1-3 hrs. Individual investigation of topics to be approved by the director. (Students undertaking a Seniors Honor Project will enroll in LS H492.)

493. **Issues in Public Librarianship.** 3 hrs. Considers problems involved in the administration and supervision of public libraries. Emphasizes topics relevant to participants.

494. **Student Teaching in Library Science.** 12 hrs.

MANAGEMENT (MGT—620)

(Enrollment in Management courses requires at least junior standing.)

300. **Management for Organizations.** 3 hrs. Managerial functions, concepts, and practices within organizations.

350. **Operations Management.** 1.5 hrs. Prerequisites: MGT 300 and BA 301. An introduction to the tools of modern operations management.

364. **Human Resource Management.** 3 hrs. Prerequisite: MGT 300. Emphasis on procuring, developing, maintaining, and utilizing an effective work force within the current legal and social environment.

400. **Global Managerial Policy and Strategy.** 3 hrs. Prerequisites: ACC 300 or 320, FIN 300, MGT 300 and MKT 300. Business administration and strategy in a global environment.

454. **Organizational Behavior.** 3 hrs. Prerequisite: MGT 300. A study of individual and group behavior in organizations, including motivation, leadership, and communication.

455. **Organization Theory.** 3 hrs. Prerequisite: MGT 300. To develop an understanding of the impact of the interaction of structure, environment, technology, and climate on organizational effectiveness.

465. **Production and Operations Management.** 3 hrs. Prerequisite: BA 301, and MGT 300. Development of the P.O.M. functions of production planning and control, inventory control, quality control, and materials handling.

468. **Compensation Administration.** 3 hrs. Prerequisite: MGT 300. Wage and salary administration including job analysis, incentive systems, wage survey, and fringe benefits.

472. **Labor Relations.** 3 hrs. Prerequisite: MGT 300. An integrated study of current law, practice, and policy; cases and role playing.

475. **Entrepreneurship/Small Business Management.** 3 hrs. Prerequisites: MGT 300. Theories and applications related to unique challenges of initiating and/or operating a small business.

480. **Current Issues in Management.** 3 hrs. Prerequisite: MGT 300. Synthesis of management topics and relations with current opportunities and problems facing businesses.

482. **Problems in Production and Operations Management.** 3 hrs. Prerequisite: MGT 465. A case approach to such areas as selection and maintenance of equipment, product mix, and quality and production control.

492. **Special Problems in Management.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in management. (Students undertaking a Senior Honors Project will enroll in MGT H492.)

495. **International Management.** 3 hrs. Prerequisite: MGT 300. A course concentrating on the comparison of problems in management in the U.S. with those of multi-national firms.

498. **International Management Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international management issues and practices.

499. **International Management Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international management offered to students enrolled in MGT 498.

MANAGEMENT INFORMATION SYSTEMS (MIS—630)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

\+ 201. **Introduction to Business Computer Concepts.** 1 hr. Introduction to computer operating systems and concepts in the business environment.

\+ 202. **Introduction to Business Spreadsheets.** 1 hr. Prerequisite: MIS 201. Introduction to the use of spreadsheets in the business environment.

\+ 300. **Management Information Systems.** 3 hrs. Prerequisite: MIS 201 and 202. An introduction to management information systems.

309. **Business Process Systems and Control.** 3 hrs. Prerequisite: MIS 300 or instructor permission. An examination of the basic processing cycles used to process accounting and operational data in business systems.

310. **Systems Analysis and Design.** 3 hrs. Prerequisite: MIS 300 and 309. The tools, techniques, and concepts of analysis and design of business information systems.

315. **Applications Program Development.** 3 hrs. Prerequisite: CSS 242 and MIS 310. The interactive development of business problems, utilizing advanced data structure and file maintenance.

320. **Advanced Microcomputer Applications.** 3 hrs. Prerequisite: MIS 201 and 202. An advanced course in the use of microcomputer for retrieval, forecasting, decision support programs, spreadsheets, and advanced database programs.

401. **Database Management Systems.** 3 hrs. Prerequisite: MIS 310 or permission of the instructor. The theory and practice of database design. Software packages are used to design business information systems.

406. **Data Communications.** 3 hrs. Prerequisite: MIS 310 or permission of the instructor. A course on the wide range of modern business systems, including transmission protocols, networking, and the management of distributed computer systems.

412. **Systems Analysis and Design Applications.** 3 hrs. Prerequisites: MIS 310 and 401. A continuation of MIS 310. The course focuses on the design of practical business information systems.

492. **Special Problems in Management Information Systems.** 1-6 hrs. Prerequisite: Consent of Director. Individual study on an approved topic in management information systems. (Students undertaking a Senior Honors Project will enroll in MIS H492.)

MANUFACTURING TECHNOLOGY (MFG—389)

200. **World of Manufacturing.** 3 hrs. Manufacturing and society; emphasis on how a product is made, marketed and serviced; materials and design; newer technologies. May not be applied to a degree in engineering technology.

MARINE SCIENCE (MAR—322)

151. **Introduction to Ocean Science.** 3 hrs. Survey of the physical, chemical, geological and biological features of the ocean. May be taken as GLY 151.

151-L. **Introduction to Ocean Science Laboratory.** 1 hr. Pre- or Corequisite: MAR 151. Elementary exercises for interpreting oceanographic data and samples. May be taken as GLY 151-L.

\+ 300. **Marine Science I: Oceanography.** 3 hrs. Prerequisites: college algebra, 8 hours of chemistry and 8 hours biological sciences. For upper division science majors. An introduction to biological, chemical, geological, and physical marine sciences.

300-L. **Marine Science I Laboratory.** 2 hrs. A laboratory for MAR 300.

301. **Marine Science II: Marine Biology.** 3 hrs. Prerequisites: 8 hours of biological sciences. An introduction to marine biology with emphasis on local fauna and flora.

301-L. **Marine Science II Laboratory.** 2 hrs. A laboratory for MAR 301.

401. **Biological Oceanography.** 3 hrs. Prerequisite: Permission of instructor. Biological processes in the ocean and the influence of biotic and abiotic factors on these processes. (May be taken as BSC 445.)

401-L. **Biological Oceanography Laboratory.** 1 hr. A laboratory designed to accompany MAR 401. (May be taken as BSC 445-L.)

402. **Marine Environmental Science.** 3 hrs. A study of the problems that affect the coastal and nearshore environments of the Gulf of Mexico.

403. **Marine Invertebrate Zoology.** 3 hrs. Prerequisites: 16 hours of biology. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

403-L. **Marine Invertebrate Zoology Laboratory.** 3 hrs. A laboratory for MAR 403.

404. **Parasites of Marine Animals.** 3 hrs. Prerequisite: Consent of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships.

404-L. **Parasites of Marine Animals Laboratory.** 3 hrs. A laboratory for MAR 404.

405. **Marine Ecology.** 3 hrs. Prerequisite: 16 hours of biological sciences. The relationship of marine organisms to their environment.

405-L. **Marine Ecology Laboratory.** 2 hrs. A laboratory for MAR 405.

406. **Fauna and Faunistic Ecology of Tidal Marshes.** 1 hr. Prerequisite: Consent of instructor. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals.

406-L. **Fauna and Faunistic Ecology of Tidal Marshes Laboratory.** 3 hrs. A laboratory for MAR 406.

407. **Marine Aquaculture.** 3 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

407-L. **Marine Aquaculture Laboratory.** 3 hrs. A laboratory for MAR 407.

408. **Marine Ichthyology.** 3 hrs. Prerequisite: 16 hours of biology. Marine fishes including evolutionary relationships, morphology, physiology, and zoogeography.

408-L. **Marine Ichthyology Laboratory.** 3 hrs. A laboratory for MAR 408.

409. **Marine Microbiology.** 3 hrs. Prerequisite: General Microbiology. An introduction to the role of microorganisms in overall ecology of the oceans and estuaries.

409-L. **Marine Microbiology Laboratory.** 2 hrs. A laboratory for MAR 409.

410. **Marine Fisheries Management.** 2 hrs. Prerequisite: Consent of instructor. An overview of practical marine fishery management problems. (May be taken as BSC 449.)

410-L. **Marine Fisheries Management Laboratory.** 2 hrs. Corequisite for MAR 410.

420. **Marine Phycology.** 2 hrs. Prerequisite: 10 hours of biology including botany. A survey, based upon local examples, of the principal groups of marine algae.

420-L. **Marine Phycology Laboratory.** 2 hrs. A laboratory for MAR 420.

421. **Coastal Vegetation.** 2 hrs. Prerequisite: 10 hours of biology, including general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

421-L. **Coastal Vegetation Laboratory.** 1 hr. A laboratory for MAR 421.

422. **Salt Marsh Plant Ecology.** 2 hrs. The botanical aspects of local marshes; includes plant identification, composition, and structure.

422-L. **Salt Marsh Plant Ecology Laboratory.** 1 hr. A laboratory for MAR 422.

430. **Comparative Histology of Marine Organisms.** 3 hrs. Prerequisite: Consent of instructor. Histology of marine organisms, including tissue processing techniques.

430-L. **Comparative Histology of Marine Organisms Laboratory.** 3 hrs. A laboratory for MAR 430

441. **Marine Chemistry.** 3 hrs. Prerequisite: Permission of instructor. Sea water chemistry and cycles and their impact on the marine environment.

441-L. **Marine Chemistry Laboratory.** 1 hr. A laboratory designed to accompany MAR 441.

456. **Techniques in Marine Science Education.** 3 hrs. Marine resources of Mississippi. May be taken as SCE 456.

457. **Marine Science for Teachers.** 3 hrs. Prerequisite: MAR/SCE 456 or permission of instructor. Advance topics in marine science. May be taken as SCE 457.

458. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor. May be taken as SCE 435.

459. **Coastal Ecology for Teachers.** 3 hrs. Prerequisite: Permission of instructor. Corequisite: MAR 459-L. Designed to provide teachers with a background in basic coastal ecology. (May be taken as SCE 459.)

459-L. **Coastal Ecology for Teachers Laboratory.** 1 hr. Prerequisite: Permission of instructor. Corequisite: for MAR 459. (May be taken as SCE 459-L.)

461. **Physical Oceanography.** 3 hrs. Prerequisites: PHY 112, or 202 and MAT 179 or permission of instructor. An introduction to the physical properties of the oceans. May be taken as PHY 471.

461-L. **Physical Oceanography Laboratory.** 1 hr. A laboratory designed to accompany MAR 461.

463. **Physical Applications of the Fourier Transform.** 3 hrs. Prerequisites: MAT 280 and PHY 292. Applications of the Fourier Transform to measurements in physics. (May be taken as PHY 451.)

466. **Acoustics.** 3 hrs. Prerequisites: MAT 471 or permission of instructor. Principles of the generation, transmission and reception of acoustic waves. (May be taken as PHY 446.)

481. **Geological Oceanography.** 3 hrs. Prerequisite: Permission of instructor. Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments.

481-L. **Geological Oceanography Laboratory.** 1 hr. A laboratory designed to accompany MAR 481.

482. **Coastal Marine Geology.** 3 hrs. Prerequisite: 6 hours in geology. Inshore and nearshore geological processes, sedimentation patterns, and land forms. May be taken as GLY 431.

485. **Microcomputer Applications in Marine Science Instrumentation.** 3 hrs. Introduction to programming and hardware concepts relevant for marine science applications.

490. **Special Problems in Marine Science.** 1-6 hrs. Prerequisite: Consent of instructor. Independent research.

491. **Special Topics in Marine Science.** 1-6 hrs. Prerequisite: Consent of instructor. Directed study in area for which no formal courses are offered.

MARKETING (MKT—625)

(Enrollment in Marketing courses requires at least junior standing.)

300. **Principles of Marketing.** 3 hrs. A study of the marketing function in organizations.

322. **Creative Marketing.** 3 hrs. Prerequisite: MKT 300. An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology, information processing strategies, and interpersonal behavior in task-oriented groups applied to marketing.

330. **Professional Selling.** 3 hrs. Prerequisite: MKT 300. An analysis of the ethics, functions, and techniques of professional selling using a behavioral and managerial approach.

355. **Principles of Advertising.** 3 hrs. Prerequisite: MKT 300. An introduction to the field of advertising including the background and social impact of today's advertising, media selection, copywriting, layout, visualization, and typography.

365. **Consumer Behavior.** 3 hrs. Prerequisite: MKT 300. Analysis of human behavior in the market place. Emphasis is placed on applying concepts from the social sciences to understanding consumer decision processes, buying patterns, and consumer research.

370. **Principles of Purchasing.** 3 hrs. Prerequisite: MKT 300. An introduction to the principles of purchasing in industrial and nonprofit organizations.

380. **Industrial Marketing.** 3 hrs. Prerequisite: MKT 300. Special problems involved in marketing materials, equipment, and supplies to manufacturer and other business firms.

424. **Marketing Research.** 3 hrs. Prerequisites: MKT 300 and BA 302. A study of the systems, methods, and procedures used in meeting the informational needs of managers in the marketing area for both quantitative and qualitative marketing data.

428. **Marketing Management.** 3 hrs. Prerequisite: Completion of business core and senior standing. A comprehensive course designed to synthesize the more specialized marketing knowledge of the student through the study of case histories.

430. **Sales Management.** 3 hrs. Prerequisites: MKT 300 and MKT 330. A study of the methods and procedures involved in selection, training, organization, compensation, supervision, and evaluation of the sales force, using the modified case method of instruction.

442. **Retail Management and Strategy.** 3 hrs. Prerequisite: MKT 300. An examination of specific problem areas in retail innovations, spatial competition, and retail mix development.

458. **Promotion Management.** 3 hrs. Prerequisite: MKT 355 or consent of instructor. A practical application and integration of the basic principles from the areas of advertising, personal selling, sales promotion, public relations, and publicity. A modified case approach is used in the course.

492. **Special Problems in Marketing.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in marketing. (Students undertaking a Senior Honors Project will enroll in MKT H492.)

495. **International Marketing.** 3 hrs. Prerequisites: MKT 300 and MGT 300. The economic, political, and cultural aspects of international business operations.

498. **International Marketing Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international marketing issues and practices.

499. **International Marketing Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international marketing offered for students enrolled in MKT 498.

MATHEMATICS (MAT—350)

099. **Developmental Mathematics.** 3 hrs. Required of all entering freshmen with a sub-standard ACT mathematics score. Does not satisfy any University core or degree requirements. Primarily elementary and intermediate algebra. Meets 250 contact minutes per week. (JC 1233)

101. **College Algebra.** 3 hrs. Prerequisite: Two years of high school algebra or MAT 099. Polynomials, factoring, functions and graphs, linear and quadratic equations and inequalities. (JC 1313)

\+ 102*. **Finite Mathematics and Introduction to Calculus.** 3 hrs. Prerequisite: MAT 101. Matrices and systems of equations, introduction to calculus. (JCC 1333, 1423)

103. **Plane Trigonometry.** 3 hrs. Prerequisite: Two years of high school algebra or the equivalent. Trigonometric functions and their inverses, trigonometric identities and equations, solutions of triangles, logarithms. (JC 1323)

128. **Precalculus Mathematics.** 3 hrs. Prerequisite: High school trigonometry. Functions, analytic geometry, sequences, series, mathematical induction. Not open to students with credit for MAT 101 or MAT 103.

136. **Applied Calculus for Engineering Technology I.** 3 hrs. Prerequisite: MAT 103. Plane analytic geometry, differentiation and integration with applications to curvilinear motion, related rates, curve sketching and areas. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

137. **Applied Calculus for Engineering Technology II.** 3 hrs. Prerequisite: 136. Continuation of techniques of differentiation and integration. Areas, volumes, centroids, moments of inertia, and an introduction to first and second order differential equations. (A student who receives credit for MAT 169 or MAT 179 cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the Chair of the Department of Mathematics.

167. **Calculus I with Analytic Geometry.** 3 hrs. Prerequisite: MAT 103. Functions, limits, derivatives, applications of the derivative and selected topics from analytic geometry. (JC 1653, 1813)

168. **Calculus II with Analytic Geometry.** 3 hrs. Prerequisite: MAT 167 or MAT 178. Definite and indefinite integrals, applications of the integral, transcendental functions, and selected topics from analytic geometry. (JC 1623, 1663)

169. **Calculus III with Analytic Geometry.** 4 hrs. Prerequisite: MAT 168. Techniques of integration, infinite series, L'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytic geometry. (JC 2613, 1823)

178. **Differential and Integral Calculus with Analytic Geometry I.** 5 hrs. Prerequisite: MAT 103. Functions, limits, derivatives and their applications, definite and indefinite integrals with applications, and selected topics from analytic geometry. (JC 1815)

179. **Differential and Integral Calculus with Analytic Geometry II.** 5 hrs. Prerequisite: MAT 168 or MAT 178. Transcendental functions, techniques of integration, infinite series, L'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytic geometry. (JC 1825)

\+ 210*. **Mathematics for Elementary Teachers I.** 3 hrs. Prerequisite: MAT 101. The real number system and its major subsystems: natural numbers, integers, rational numbers. (Open only to elementary and special education majors.) (JC 1723)

280. **Multivariable Calculus.** 3 hrs. Prerequisite: MAT 169 or MAT 179. Differential calculus of several variables, directional derivatives, partial derivatives, the chain rule, extrema problems, double and triple integrals and their applications. (JC 2623, 2813)

\+ 310*. **Mathematics for Elementary Teachers II.** 3 hrs. Prerequisite: MAT 210. Basic concepts of geometry and probability and statistics. (Open only to elementary and special education majors.)

\+ 312*. **Applied Calculus for Business and Social Sciences.** 3 hrs. Prerequisite: MAT 102. Elementary functions, differential and integral calculus with applications. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

314. **Calculus for the Arts and Sciences.** 3 hrs. Prerequisite: MAT 103. An introduction to functions, graphs, continuity, differential and integral calculus, with applications to the arts and life sciences. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

316. **Applied Linear Algebra.** 3 hrs. Prerequisite: MAT 169 or 179. Matrices, systems of linear equations, eigenvalues and eigenvectors, matrix calculus.

320. **Probability and Mathematical Statistics I.** 3 hrs. Prerequisite: MAT 340 and MAT 169 or 179. Discrete distributions, random variables, independence, moment generating functions, continuous distributions, multivariate distributions.

326. **Linear Algebra I.** 3 hrs. Corequisite: MAT 168 or 179. Vector spaces, systems of linear equations, linear transformations, matrices, inner products.

340. **Discrete Mathematics.** 3 hrs. Corequisite: MAT 167, 178 or higher. Logic, set theory, and selected topics from algebra, combinatorics, and graph theory. (Should be taken prior to completion of the calculus sequence.)

370. **Introductory Geometry.** 3 hrs. Introduction to elementary Euclidean geometry and formulas related to two and three-dimensional space. (Open only to those students preparing to teach Mathematics in grades 7-12.)

385. **Introduction to Differential Equations I.** 3 hrs. Corequisite: MAT 280. Linear ordinary differential equations with applications, Laplace transforms. (JC 2913)

410. **Mathematics for Teachers of Junior High School Mathematics.** 3 hrs. The real number system and major subsystems, introduction to algebra, informal geometry, consumer mathematics and introduction to BASIC programming. (Open only to elementary and special education majors.)

415. **Introduction to Differential Equations II.** 3 hrs. Prerequisites: MAT 280 and 385. Systems of linear differential equations, operator methods, approximating solutions, Laplace transforms, power series.

417. **Introduction to Partial Differential Equations.** 3 hrs. Prerequisites: MAT 280 and 385. Integrability conditions, quasilinear equations, applications of physics, classification of second order equations and canonical forms, separation of variables.

\+ 418*. **Linear Programming.** 3 hrs. Prerequisite: MAT 326. Convex sets, linear inequalities, extreme-point solutions, simplex procedure, applications.

\+ 419*. **Optimization in Mathematical Programming.** 3 hrs. Prerequisites: MAT 280 and MAT 418. Selected topics in optimization from linear and nonlinear programming.

420. **Probability and Mathematical Statistics II.** 3 hrs. Prerequisites: MAT 320. Central limit theorem, estimation, hypothesis tests.

421. **Number Theory.** 3 hrs. Prerequisite: MAT 340. Induction, well-ordering, division algorithm, Euclidean algorithm, Fundamental Theorem of Arithmetic, number theoretic functions, congruences.

423. **Modern Algebra I.** 3 hrs. Prerequisite: MAT 340. Elementary notions in groups, Fundamental Theorem of Finitely Generated Groups, permutation groups, quotient groups, and isomorphism theorems, applications of transformation groups.

424. **Modern Algebra II.** 3 hrs. Prerequisite: MAT 423. Survey of standard algebraic systems; rings, integral domains, fields, modules, polynomial rings, fields of quotients.

426. **Linear Algebra II.** 3 hrs. Prerequisite: MAT 326. Determinants; polynomials; complex numbers; single linear transformations; orthogonal, unitary and symmetric linear transformations.

430. **Advanced Engineering Mathematics I.** 3 hrs. Prerequisites: MAT 280 and MAT 385. Introduction to Laplace transforms and Fourier series, with emphasis on solving ordinary and simple partial differential equations.

431. **Advanced Engineering Mathematics II.** 3 hrs. Prerequisite: MAT 430. Vector calculus and an introduction to complex variables, with emphasis on integral theorems and integration.

436. **Theory of Functions of a Complex Variable I.** 3 hrs. Prerequisite: MAT 280. Complex numbers and functions, limits, continuity, differentiation, analytic functions, branches, contour integration, series.

437. **Graph Theory.** 3 hrs. Prerequisite: MAT 340. An introduction to graphs and a sampling of their numerous and diverse applications.

439. **Combinatorics.** 3 hrs. Prerequisites: MAT 326, 340, and either 169 or 179. Counting and enumeration techniques, inversion formulas and their applications, and counting schemata relative to permutations of objects.

441. **Advanced Calculus I.** 3 hrs. Prerequisites: MAT 280 and 340. Point set theory, sequences, continuity, uniform continuity, limits, mean value theorems, L'Hospital's rule.

442. **Advanced Calculus II.** 3 hrs. Prerequisite: MAT 441. Riemann integration, Taylor's theorem, improper integrals, infinite series, uniform convergence.

457. **Methods in Mathematics-Secondary.** 3 hrs. Prerequisites; MAT 280, 340, 316 or 326, and 385. A course designed to give the students a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics. (Also offered as CIS 457.)

+ 460*. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 280, MAT 326, knowledge of a programming language. Methods of solving equations and systems of equations, error analysis, difference equations.

+ 461*. **Numerical Analysis II.** 3 hrs. Prerequisites: MAT 385, 460. Interpolating polynomials, numerical differentiation and integration, numerical solutions of differential equations, roundoff error.

472. **Modern Geometry.** 3 hrs. Prerequisites: MAT 280, MAT 316 or 326, and MAT 340. Heuristic and analytic treatment of a branch of modern geometry, such as projective or differential geometry.

473. **Metric Spaces.** 3 hrs. Prerequisite: MAT 340. Continuity, Hausdorff and countability axioms, products, Euclidean spaces, connectedness, compactness, Heine-Borel and Bolzano-Weirstrass theorems.

475. **General Topology I.** 3 hrs. Prerequisites: MAT 340 and MAT 169 or 179. General topological spaces, bases and subbases, continuity.

476. **General Topology II.** 3 hrs. Prerequisite: MAT 475. Connectedness, separation axioms, countability axioms, compactness, metrizability.

481. **History of Mathematics.** 3 hrs. Prerequisites: MAT 167 or 178. The history of mathematics from antiquity through the 17th century. Does not count as an upper level mathematics elective. (Also offered as HUM 481.)

485. **Mathematical Modeling I.** 3 hrs. Prerequisites: MAT 280, MAT 316 or 326, MAT 385, and a programming language. An introduction to mathematical modeling using case studies. Projects and presentations are required.

486. **Mathematical Modeling II.** 3 hrs. Prerequisites: MAT 485 and advanced mathematics electives. Case studies in mathematical modeling requiring advanced techniques. Projects and presentations are required.

+ 487. **Student Teaching in Mathematics.** 12 hrs. Prerequisite: Approval of the Director of Student Teaching.

492. **Special Problems I, II.** 1-3 hrs. Prerequisite: Approval of department chair.

494. **Undergraduate Mathematics Seminars I, II.** 1 hr. Prerequisite: Consent of instructor. Topics of current interest.

*Students will use University computers and appropriate software as a part of course requirements.

MECHANICAL ENGINEERING TECHNOLOGY (MET—397)

+ 201. **Computational Methods in Engineering Technology.** 3 hrs. Prerequisites: MAT 101 and 3 hours in major. BASIC computer programming with application in various technology disciplines, mathematics, and physics.

+ 260. **Vector Statics.** 3 hrs. Corequisite: MAT 280. Forces in 2 and 3 dimensions, equilibrium, structures, friction. Vector notation.

320. **Environmental Controls.** 3 hrs. Theory and practice of environmental control within closed spaces.

321. **Tools and Fixture Design.** 3 hrs. Prerequisite: INT 250. Design and fabrication of production tools, jigs, gages, etc., with emphasis on dimensional control.

+ 322. **Applied Dynamics.** 3 hrs. Prerequisite: ACT 241. Fundamentals of dynamics; kinetics, periodic motion, and energy methods.

323. **Fluid Mechanics.** 3 hrs. Prerequisite: ACT 241. Fluid statics and applications of fluid dynamics principles to the analysis and design of fluid systems.

+ 323-L. **Hydraulics Laboratory.** 1 hr.

330. **Applied Thermal Science I.** 3 hrs. Heat energy, heat flow, and basic thermodynamic principles.

331. **HVAC Design I.** 3 hrs. Prerequisite: MET 330. Basic A/C principles and concepts as applied to large commercial systems.

+ 331-L. **HVAC Laboratory.** 1 hr.

332. **HVAC Design II.** 3 hrs. Prerequisite: MET 331. An advanced course in air conditioning systems design.

+ 342-L. **Strength of Materials Laboratory.** 1 hr. Corequisite: ACT 332.

360. **Mechanics of Materials.** 3 hrs. Prerequisites: MAT 168, PHY 201, and CSS 240. Stresses and strains; deformations; axial, torsional, bending and combined loading; thermal stresses; FORTRAN programs.

360-L. **Mechanics of Materials Laboratory.** 1 hr. Concurrent registration in MET 360 is required.

361. **Kinematics.** 3 hrs. Prerequisites: ACT 342, INT 250. Graphical and analytical analysis of mechanisms.

362. **Machine Design.** 3 hrs. Corequisite: ACT 342. Design and selection of mechanical elements used in machines. Computer-aided design and manufacturing.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser. Individual or group study in an area not covered by available courses.

+ 400. **Senior Project.** 3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Student required to complete a project in his area of specialization.

401. **Senior Project.** 3 hrs. Continuation of MET 400.

410. **Production Materials.** 3 hrs. Study of properties of materials for cutting, drilling, forming, and heat treating operations.

411. **Industrial Testing.** 3 hrs. Prerequisite: ACT 342. Destructive and nondestructive testing of materials and structures.

+ 420. **Robotics.** 3 hrs. Prerequisites: INT 250, or permission of instructor. Fundamentals of hydraulic, pneumatic, and electrically-controlled industrial robots. Robot geometry, installation and applications in industrial processes.

441. **Mechanical Energy Systems.** 3 hrs. Applications of thermodynamics to power producing devices.

444. **Solar Heating and Cooling.** 3 hrs. Solar energy conversion methods; collectors; residential, commercial heating and cooling, and the economics of solar energy.

+ 444-L. **Solar Heating and Cooling Laboratory.** 1 hr.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Supervised study in area not covered by available courses.

MEDICAL TECHNOLOGY (MTC—354)

101. **Introduction to Medical Technology.** 1 hr. An introduction for incoming students to the scope, objectives, and requirements for a career in medical technology.

302. **Clinical Bacteriology I.** 3 hrs. Prerequisites: BSC 380 or permission of instructor. Evaluation of clinical specimens with regard to pathogenic microorganisms.

+ 302-L. **Clinical Bacteriology I Laboratory.** 2 hrs.

306. **Fundamentals of Hematology.** 3 hrs. Prerequisite: Permission of instructor. An introduction to the study of blood and blood forming organs.

+ 306-L. **Fundamentals of Hematology Laboratory.** 2 hrs.

309. **Clinical Chemistry I.** 3 hrs. Prerequisite: Permission of instructor. An introduction to the basic principles and methodology of clinical chemistry.

+ 309-L. **Clinical Chemistry I Laboratory.** 2 hrs.

400. **Applied Clinical Procedures.** 1 hr. Corequisite with first MTC 300 level course or permission of instructor. An introduction to clinical laboratory safety, instrumentation, mathematics, and analytical techniques.

+ 400-L. **Applied Clinical Procedures Laboratory.** 2 hrs. Corequisite with first MTC 300 level course or permission of instructor. A laboratory emphasizing clinical laboratory safety, instrumentation, mathematics, and analytical techniques.

+ 401. **Body Fluids.** 2 hrs. Prerequisite: Admission to the Senior Residency. Analysis of the physical, chemical, and microscopic parameters of urine with emphasis on understanding kidney function in diseases.

+ 402. **Clinical Bacteriology II.** 5 hrs. Prerequisite: Admission to the Senior Residency. Laboratory methods of isolation, identification, and other testing of pathogenic bacteria and their etiologic role in disease.

+ 403. **Clinical Mycology.** 2 hrs. Prerequisite: Admission to the Senior Residency. The study of pathogenic fungi. Emphasis is placed on laboratory methods of isolation and identification of medically important fungi.

+ 405. **Clinical Parasitology.** 2 hrs. Prerequisite: Admission to the Senior Residency. The study of medically significant protozoan and helminthic parasites and their vectors. Emphasis is placed on laboratory methods of detection and identification of these organisms.

+ 406. **Hematology I.** 5 hrs. Prerequisite: Admission to the Senior Residency. The study of blood cells and their abnormalities with emphasis on procedures of laboratory examination.

+ 407. **Clinical Serology I.** 3 hrs. Prerequisite: Admission to the Senior Residency. An introduction to serologic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in humans.

+ 408. **Clinical Immunohematology.** 5 hrs. Prerequisite Admission to the Senior Residency. The theory and techniques of processing blood for transfusion and resolving incompatibilities.

+ 409. **Clinical Chemistry II.** 7 hrs. Prerequisite: Admission to the Senior Residency. The qualitative and quantitative chemical analysis of blood, urine, cerebrospinal fluid, and other body fluids.

412. **Principles of Clinical Administration and Education.** 1 hr. Prerequisite: Admission to the Senior Residency. Introduction of basic principles of clinical laboratory administration and education.

451. **Urinalysis.** 1 hr. Prerequisite: Admission to the Senior Residency. Clinical education at one of the affiliated hospital laboratories.

452. **Clinical Microbiology.** 4 hrs. Prerequisite: Admission to the Senior Residency. Clinical education at one of the affiliated hospital laboratories.

456. **Hematology II.** 3 hrs. Prerequisite: Admission to the Senior Residency. Clinical education at one of the affiliated hospital laboratories.

457. **Clinical Serology II.** 1 hr. Prerequisite: Admission to the Senior Residency. Clinical education at one of the affiliated hospital laboratories.

458. **Blood Bank.** 3 hrs. Prerequisite: Admission to the Senior Residency. Clinical education at one of the affiliated hospital laboratories.

459. **Clinical Chemistry III.** 4 hrs. Prerequisite: Admission to the Senior Residency. Clinical education at one of the affiliated hospital laboratories.

461. **Oncology.** 3 hrs. An introduction to the biological and clinical aspects of cancer.

492. **Special Problems in Medical Technology I, II, III, IV.** 1-8 hrs. Assignments of a specific clinical problem in medical technology under faculty direction. (Students undertaking a Seniors Honor Project will enroll in MTC H492.)

MILITARY SCIENCE (MS—276)

Basic Military Science

111. **The Eagle Challenge.** 2 hrs. Introduction to Military Science with emphasis on leadership, military history, customs, traditions, branches, and development of self-confidence through adventure training. Leadership practicum included in course instruction.

114. **General Military Science I.** 2 hrs. Continuation of MS 111 with emphasis on leadership, ethics, writing skills, Soviet Military Power, map reading and first aid. Adventure training also provided. Leadership practicum included in course instruction.

117. **Competitive Marksmanship.** 1 hr. A study and application of necessary techniques for becoming a skilled marksman. May be repeated for total of 4 hrs.

211. **Dynamics of Leadership.** 2 hrs. Familiarizes the student with basic leadership and technical military skills. These skills include leadership, map reading, first aid, and communicative skills. Leadership practicum included in course instruction.

214. **Leadership in Action.** 2 hrs. An introduction to leadership action skills with emphasis on beliefs, values, ethics, counseling techniques and group interaction skills. Leadership practicum included in course instruction.

250. **ROTC Basic Camp.** 1-6 hrs. Six weeks of training at Fort Knox, Kentucky, conducted during the summer months for students who did not complete advanced course prerequisites during the freshman or sophomore academic years.

Advanced Military Science

301. **Individual and Small Unit Tactical Training.** 4 hrs. Prerequisites: Approval by Professor of Military Science. A study of the fundamentals of offensive and defensive tactics as pertains to the individual, squad, and platoon. Includes a leadership laboratory.

302. **Applications in Small Unit Tactical Training.** 4 hrs. Prerequisite: Approval by Professor of Military Science. A study and practical application in squad and platoon tactics and leadership. Includes a leadership laboratory.

350. **American Military Experience.** 3 hrs. Study of officership as a profession, the Army's role, traditional civil-military issues; policy, organizations, and key social, economic and political influencers.

401. **Leadership and Management I.** 4 hrs. Prerequisites: Approval by Professor of Military Science. A study and application of leadership and management as pertains to planning, conducting, and evaluating training, preparing and staffing actions, and the supervision and inspection of tactical operations. Includes a leadership laboratory.

402. **Leadership and Management II.** 4 hrs. Prerequisites: Approval by the Professor of Military Science. Expands leadership skills, teaches briefing techniques, introduces Army logistics, post and installation support, review of world threats and prepares the students for their new role as an officer. Includes a leadership laboratory.

492. **Special Projects.** 1-3 hrs.

MUSIC (MUS—675)

100. **Introduction to Music Theory.** 3 hrs. An introductory course in the fundamentals of music theory. Open to all University students. Credit for this course may not be applied toward degrees in Music or Music Education.

101. **Music Theory.** 3 hrs. Prerequisite: MUS 100 or approval of instructor. Scales, intervals, and part-writing using triads, the dominant seventh chord, non-harmonic tones, modulation, dictation, and sight-singing. Concurrent registration in MUS 101-L required. (JC 1214)

101-L. **Music Theory Laboratory.** 1 hr.

102. **Music Theory.** 3 hrs. Prerequisite: MUS 101. A continuation of MUS 101. Concurrent registration in MUS 102-L required. (JC 1224)

102-L. **Music Theory Laboratory.** 1 hr.

103. **Introduction to Careers in Music and the Music Industry.** 2 hrs. Prerequisite: Permission of instructor. An introductory course to familiarize students with the many varied career opportunities within the music industry.

105. **Music Industry Seminar.** 1 hr. Prerequisite: Permission of instructor. A weekly seminar to keep students abreast of trends and current state of ever-changing business and music industry world.

108. **Introduction to Church Music.** 3 hrs. Rudimentary knowledge and skills in church music. Credit may not be applied toward a degree in Music or Music Education.

131. **Introduction to Music Literature.** 2 hrs. A course dealing in listening skills, musical forms, styles, periods, and performing media. (JC 1123, 2413)

164. **Afro-American Music.** 3 hrs. A study of Afro-American music from the colonial period to the present. Credit may not be applied to majors in Music or Music Education.

201. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 102. Part-writing, including secondary seventh chords, borrowed chords, altered chords, foreign modulation, dictation, and sight-singing. Concurrent registration in MUS 201-L required. (JC 2214)

201-L. **Advanced Music Theory Laboratory.** 1 hr.

202. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 201. A continuation of MUS 201. Concurrent registration in MUS 202-L required. (JC 2224)

202-L. **Advanced Music Theory Laboratory.** 1 hr.

205. **Music Industry Seminar.** 1 hr. (to be taken twice). Prerequisite: MUS 105 or permission of instructor. A continuation of MUS 105.

231. **History of Music.** 3 hrs. Prerequisites: MUS 131 and MUS 102. Music in Western civilization traced from its primitive sources to the present. (JC 2313)

232. **History of Music.** 3 hrs. Prerequisites: MUS 231 and MUS 102. A continuation of MUS 231. (JC 2323)

301. **Twentieth-Century Harmony.** 2 hrs. Prerequisites: MUS 202 and MUS 302. Investigation of the various styles and harmonic elements of 20th-Century music, coupled with practical applications.

302. **Form and Analysis.** 2 hrs. Prerequisite: MUS 202. Music of various periods is analyzed formally, harmonically, and contrapuntally.

303. **Survey of Music Industry I.** 3 hrs. Prerequisite: MUS 103, 105, 205, or permission of instructor. An in-depth study of the music industry to include: the music store, musical instruments, music reproducing instruments, performance, and U.S. copyright laws.

304. **Survey of the Music Industry II.** 3 hrs. Prerequisite: MUS 303 or permission of instructor. Continuation of in-depth study of music industry to include: books and magazines dealing with music, publishing, recorded music, teaching of music, non-commercial music, and musical promotion.

305. **Graded Church Choirs I.** 3 hrs. Materials and methods for organizing, promoting, training, and maintaining pre-school age and elementary school age choirs.

306. **Graded Church Choirs II.** 3 hrs. Organizing, developing, maintaining, and training volunteer youth and adult choirs (including senior citizens) in relationship to the total church program.

311. **Composition Class.** 2 hrs. Prerequisites: MUS 301 or permission of instructor. Composition in the small forms utilizing contemporary and stylistic techniques. (May be taken two times.)

321. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice writing in the style of Palestrina.

322. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice contrapuntal writing in the style of Bach.

351. **History of Church Music.** 3 hrs. History of Christian Church music, with emphasis on the use of literature.

360. **Stylistic Developments in Jazz.** 3 hrs. Study of the development of jazz idioms. Includes elements of jazz history leading to study of more complex idioms.

365. **The Enjoyment of Music.** 3 hrs. Study of the basic elements of music necessary for intelligent listening and appreciation. This course may not be applied toward a Bachelor of Music or Bachelor of Music Education degree, or a music minor.

366. **American Popular Music 1900-1980.** 3 hrs. A musical, socio-political study of popular music in America and its impact on U.S. Culture.

367. **Improvisation.** 1 hr. Study and performance of jazz improvisation.

368. **Improvisation.** 1 hr. A continuation of MUS 367.

375. **Beginning Techniques of Scoring for Jazz Ensembles.** 2 hrs. Study in composing and arranging music for jazz ensembles.

376. **Intermediate Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 375.

400. **Music in Italy Today.** 3 hrs. Prerequisites: MUS 202 and 232, and/or approval of instructor. A contemporary view of opera, orchestral, instrumental/chamber, and film music examining Italy's historical musical heritage in terms of its impact on current artistic trends.

401. **Instrumentation.** 3 hrs. Prerequisite: MUS 202. Study of the instruments of the band and orchestra. Scoring for instrumental ensembles.

405. **Music Industry Seminar.** 1 hr. (to be taken twice). Prerequisite: MUS 105, 205, or permission of instructor. A continuation of MUS 205.

406. **Music Industry Internship.** 9 hrs. Prerequisite: MUS 103, 304, 405, or permission of instructor. A nine-week supervised internship in a professional setting in the music industry.

411. **Music for Film, Radio/Television, and Theatre.** 3 hrs. Prerequisite: Permission of instructor. A theoretical and practical study of the usage of music in film, radio/television, and theatre.

415. **Music Scoring for Film, Radio/Television, and Theatre.** 3 hrs. Prerequisite: Permission of instructor. A study of original music composition as it pertains to film, radio/television, and theatre.

423. **The Organ in Worship.** 3 hrs. A study of elementary principles of construction and design, and of effective use in church service, including appropriate organ literature.

431. **History of Opera.** 3 hrs. The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432. **American Music.** 3 hrs. Study of the development of music in North America. Open to non-music majors with consent of instructor.

433. **20th-Century Music.** 3 hrs. Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

434. **Ancient, Medieval, and Renaissance Music.** 3 hrs. A study of music in the ancient world, and of Western music from early Christian times through the sixteenth century. Open to non-majors with consent of instructor.

435. **Baroque Music.** 3 hrs. The development of musical styles and forms from Monteverdi through J.S. Bach. Open to non-music majors with the consent of instructor.

436. **18th-Century Music.** 3 hrs. The development of classical styles and forms, emphasis on style gallant, Empfindsamer Stil, and the Viennese classicists. Open to non-music majors with consent of instructor.

437. **19th-Century Music.** 3 hrs. The development of musical romanticism, emphasis on the expression of classical forms and the appearance of new stylistic concepts. Open to non-music majors with consent of instructor.

439. **Diction.** 3 hrs. Introduction to phonetics of various foreign languages for singing. May be repeated once. Second registration permitted only when languages emphasized are different.

440. **Vocal Literature.** 2 hrs. Survey of solo vocal literature from the Renaissance to the present. Emphasis upon style, interpretation, and presentation of solo materials for all voice classifications.

441. **Vocal Literature.** 2 hrs. A continuation of MUS 440.

442. **Keyboard History and Literature I.** 3 hrs. The history and literature of keyboard music from pre-Baroque times through the works of Beethoven.

443. **Keyboard History and Literature II.** 3 hrs. The history and literature of keyboard music after Beethoven to the present.

444. **Organ Literature.** 2 hrs. Required of all organ majors.

445. **Organ Literature.** 2 hrs. A continuation of MUS 444.

446. **Instrumental Literature.** 2 hrs. Required of all senior instrumental majors.

447. **Instrumental Literature.** 2 hrs. A continuation of MUS 446.

448. **Choral Literature I.** 3 hrs. Choral Literature from Gregorian Chant through the Baroque Period. Will include materials for school and church choirs as well as masterworks.

449. **Choral Literature II.** 3 hrs. Choral Literature from the Classical Period to the present. Will include materials for school and church choirs as well as standard masterworks.

450. **Symphonic Literature.** 3 hrs. History and literature of the symphony orchestra from 1600 to the present. Open to non-music majors with consent of instructor.

451. **Chamber Music Literature.** 3 hrs. A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

453. **Church Music Literature and Materials.** 3 hrs. Church music repertoire for all choirs and handbells. Supplementary materials such as teaching aids will also be included.

456. **Choral Arranging.** 2 hrs. Basic concepts and techniques of scoring for voices, with emphasis on arranging rather than on original compositions for chorus.

460. **Administration of Church Music.** 3 hrs. Administrative procedures for the total music program of the church, including basic philosophy, planning, budgeting, promotion, training music leaders, and developing program goals.

462. **Hymnology.** 3 hrs. History of the Christian hymn from its roots to present-day form.

467. **Improvisation.** 1 hr. A continuation of MUS 368.

468. **Improvisation.** 1 hr. A continuation of MUS 467.

470. **Organization and Management of Jazz Ensembles.** 3 hrs. Studies in general management of commercial and academically-oriented jazz groups.

471. **Seminar in Masterpieces of Music.** 3 hrs. Prerequisite: MUS 232 or consent of instructor. A thorough exploration of major compositions. May be taken two times. May be taken by non-music majors.

475. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 376.

476. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 475.

492. **Special Problems.** 1-3 hrs. Prerequisite: Permission of department chair.

499. **British Studies in Music.** 3-6 hrs. Prerequisite: MUS 202 and MUS 232, and/or approval of instructor. A contemporary view of opera, orchestral, instrumental/chamber, and popular music examining Britain's historical musical heritage in terms of its impact on current artistic trends.

MUSIC EDUCATION (MED—680)

100. **Introductory Class Piano.** 2 hrs. Beginning class instruction in piano for non-music majors. Credit may not be applied toward a degree in Music or Music Education.

101. **Class Piano I.** 1 hr. Beginning class instruction in piano for music majors. Non-majors may be admitted with permission of instructor.

102. **Class Piano II.** 1 hr. Prerequisite: MED 101 or permission of instructor. Intermediate class instruction in piano.

130. **Reedmaking I: Oboe and Bassoon.** 1 hr. Development of basic skills required to produce double reeds: forming, scraping, repairing.

201. **Class Piano III.** 1 hr. Prerequisite: MED 102 or permission of instructor. Advanced class instruction in piano.

202. **Class Piano IV.** 1 hr. Prerequisite: MED 201 or permission of instructor. Advanced class instruction in piano; prepares music educators to pass a piano competency test.

219. **Guitar Class I.** 1 hr. Class instruction in guitar for beginners.

220. **Guitar Class II.** 1 hr. Prerequisite: MED 219 or approval of instructor. Intermediate class instruction in guitar.

221. **String Class.** 1 hr. Practical class instruction on all strings. Problems of beginning students; material for public school classes.

222. **String Class.** 1 hr. A continuation of MED 221.

301. **Voice Class.** 2 hrs. Designed to give the instrumental major a general knowledge of vocal and choral techniques.

311. **Elementary Music Methods.** 3 hrs. Prerequisite: MED 102, Group Piano II. Music education programs for the elementary student. Emphasis is placed on the total curriculum.

312. **Secondary Music Methods.** 3 hrs. Prerequisite: MED 311. Consideration of the secondary music program. Special attention is given to the development of a balanced curriculum.

321. **String Methods.** 1 hr. Instruction on all strings for students not following the curriculum in instrumental music education.

322. **Woodwind Methods.** 1 hr. Instruction on clarinet, flute, oboe, and bassoon for students not following the curriculum in instrumental music education.

323. **Brass Methods.** 1 hr. Instruction on all brasses for students not following the curriculum in instrumental music education.

330. **Reedmaking II: Oboe and Bassoon.** 1 hr. Developing advanced techniques in making and finishing double reeds; fashioning and adapting alternate reed designs will be covered.

331. **Conducting.** 1 hr. Prerequisite: MUS 202 or consent of instructor. Techniques of choral and instrumental conducting.

332. **Instrumental Conducting.** 2 hrs. A continuation of MED 331. Emphasis on techniques used in conducting instrumental ensembles.

333. **Choral Conducting.** 2 hrs. A continuation of MED 331. Emphasis on techniques used in conducting choral ensembles.

361. **Music for Elementary Teachers I.** 3 hrs. Designed to provide students with a basic knowledge of notation, singing, and the use of the autoharp and piano. Credit for this course may not be applied toward degrees in Music or Music Education.

382. **Recreational Music.** 3 hrs. Prerequisite: MED 361 or consent of instructor. Materials and techniques useful in developing recreational music programs.

390. **Piano Workshop.** 2 hrs. Designed to meet the needs of the piano teacher, including a survey of materials and modern teaching methods. Credit for this course may not be applied toward degrees in Music and Music Education.

391. **Instrumental Workshop.** 2 hrs. Survey and analysis of problems relating to instrumental music education through lecture, performance, and discussion. Credit for this course may not be applied toward degrees in Music and Music Education.

392. **Choral Workshop.** 2 hrs. Examination, study, and analysis of choral techniques and procedures. Credit for this course may not be applied toward degrees in Music and Music Education.

393. **Elementary Music Workshop.** 2 hrs. Intensive examination of current problems, trends, and materials in elementary music education. Credit for this course may not be applied toward degrees in Music and Music Education.

395. **Instrumental Conductors Conference.** 2 hrs. Survey and analysis of problems relating to instrumental music. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

396. **Choral Conductors Conference.** 2 hrs. Survey and analysis of choral techniques. Credit for this course may not be applied toward degrees in Music and Music Education.

410. **Teaching and Learning Music.** 3 hrs. Prerequisites: MED 312. Basic sequence of Education Core and COMP test. Principles, goals, objectives and evaluation of music teaching.

411. **Choral Methods and Curriculum Problems.** 3 hrs. Organization and administration of choral activities in secondary schools.

412. **Instrumental Methods and Curriculum Problems.** 3 hrs. Techniques of developing successful marching/concert bands and orchestras. Emphasis on current trends in music education.

421. **Woodwind Class.** 1 hr. Study of basic techniques in the pedagogy of all major woodwind instruments.

422. **Woodwind Class.** 1 hr. A continuation of MED 421.

424. **Instrument Repair.** 3 hrs. Practical experience in preventive maintenance and minor repair and adjustment of string, woodwind, brass, and percussion instruments.

425. **Brass Class.** 1 hr. Study of basic techniques in the pedagogy of all brass instruments.

426. **Brass Class.** 1 hr. A continuation of MED 425.

427. **Percussion Class.** 1 hr. Review of percussion texts, techniques, and pedagogy. Percussion majors may substitute a brass, string, or woodwind minor instrument for MED 427.

428. **Percussion Class.** 1 hr. A continuation of MED 427.

429. **Piano Tuning and Repair.** 3 hrs. Prerequisite: Approval of instructor. Study of basic technique of tuning and repairing pianos.

440. **Music Education in the Elementary Schools.** 3 hrs. Prerequisites: MED 311, 312. An in-depth course which examines current techniques and methods of music programs in upper and lower elementary grades.

441. **Workshop in Choral Methods and Materials I.** 3 hrs. A study of choral pedagogy and literature for grades 6-12. May not apply toward degrees in Music or Music Education.

442. **Workshop in Choral Methods and Materials II.** 3 hrs. A study of choral pedagogy and literature for grades 6-12. May not apply toward degrees in Music or Music Education.

443. **Workshop in Choral Methods and Materials III.** 3 hrs. A study of choral pedagogy and literature for grades 6-12. May not apply toward degrees in Music or Music Education.

444. **Arranging for the Marching Band.** 3 hrs. Provides the essential techniques of scoring for the outdoor band.

450. **Vocal Pedagogy.** 2 hrs. Techniques, practices, and materials used in teaching voice; practical experience in teaching voice.

451. **Vocal Pedagogy.** 2 hrs. Prerequisite: MED 450. A continuation of MED 450.

452. **Piano Pedagogy.** 2 hrs. Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults. Required of all senior piano majors.

453. **Piano Pedagogy.** 2 hrs. A continuation of MED 452.

454. **Organ Pedagogy.** 2 hrs. Required of all senior organ majors.

455. **Organ Pedagogy.** 2 hrs. A continuation of MED 454.

456. **String Pedagogy.** 2 hrs. Required of all senior string majors.

457. **String Pedagogy.** 2 hrs. A continuation of MED 456.

458. **Wind Pedagogy.** 2 hrs. Required of all senior wind majors.

459. **Wind Pedagogy.** 2 hrs. A continuation of MED 458.

490. **Piano Workshop.** 2 hrs. A continuation of MED 390. Credit for this course may not be applied toward degrees in Music and Music Education.

491. **Instrumental Workshop.** 2 hrs. A continuation of MED 391. Credit for this course may not be applied toward degrees in Music and Music Education.

492. **Choral Workshop.** 2 hrs. A continuation of MED 392. Credit for this course may not be applied toward degrees in Music and Music Education.

493. **Student Teaching in Music Education.** 12 hrs. Prerequisite: Must have passed Piano Competency Examination, a test that measures whether the student has met the expectations of MED 202, Class Piano IV.

495. **Instrumental Conductors Conference.** 2 hrs. Survey and analysis of problems relating to instrumental music. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

496. **Choral Conductors Conference.** 2 hrs. Survey and analysis of choral techniques. Credit for this course may not be applied toward degrees in Music and Music Education. May be taken three times (total of 6 hours).

497. **Elementary Music Workshop.** 1-3 hrs. A continuation of MED 393. Credit for this course may not be applied toward degrees in Music or Music Education.

MUSIC PERFORMANCE STUDIES (MUP—670)

Applied Music

First Year

101-102- +103. **Piano.** 1-3 hrs.

104-105- +106. **Harpsichord.** 1-3 hrs.

111-112- +113. **Organ.** 1-3 hrs.

114-115- +116. **Flute.** 1-3 hrs.

117-118- +119. **Oboe.** 1-3 hrs.

120-121- +122. **Clarinet.** 1-3 hrs.

123-124- +125. **Saxophone.** 1-3 hrs.

126-127- +128. **Bassoon.** 1-3 hrs.

129-130- +131. **Horn.** 1-3 hrs.

132-133- +134. **Trumpet.** 1-3 hrs.

135-136- +137. **Trombone.** 1-3 hrs.

138-139- +140. **Euphonium.** 1-3 hrs.

141-142- +143. **Tuba.** 1-3 hrs.

144-145- +146. **Violin.** 1-3 hrs.

147-148- +149. **Viola.** 1-3 hrs.

150-151- +152. **Cello.** 1-3 hrs.

153-154- +155. **String Bass.** 1-3 hrs.

156-157- +158. **Percussion.** 1-3 hrs.
161-162- +163. **Voice.** 1-3 hrs.
164-165- +166. **Harp.** 1-3 hrs.
167-168- +169. **Guitar.** 1-3 hrs.
191-192- +193. **Composition.** 1-3 hrs.
299. **Recital Class.** 1 hr. (Two semesters)

Second Year

201-202. **Piano.** 1-3 hrs.
204-205. **Harpsichord.** 1-3 hrs.
211-212. **Organ.** 1-3 hrs.
214-215. **Flute.** 1-3 hrs.
217-218. **Oboe.** 1-3 hrs.
220-221. **Clarinet.** 1-3 hrs.
223-224. **Saxophone.** 1-3 hrs.
226-227. **Bassoon.** 1-3 hrs.
229-230. **Horn.** 1-3 hrs.
232-233. **Trumpet.** 1-3 hrs.
235-236. **Trombone.** 1-3 hrs.
238-239. **Euphonium.** 1-3 hrs.
241-242. **Tuba.** 1-3 hrs.
244-245. **Violin.** 1-3 hrs.
247-248. **Viola.** 1-3 hrs.
250-251. **Cello.** 1-3 hrs.
253-254. **String Bass.** 1-3 hrs.
256-257. **Percussion.** 1-3 hrs.
261-262. **Voice.** 1-3 hrs.
264-265. **Harp.** 1-3 hrs.
267-268. **Guitar.** 1-3 hrs.
291-292. **Composition.** 1-3 hrs.
299. **Recital Class.** 1 hr. (Two semesters)

Third Year

301-302- +303. **Piano.** 1-3 hrs.
304-305- +306. **Harpsichord.** 1-3 hrs.
311-312- +313. **Organ.** 1-3 hrs.
314-315- +316. **Flute.** 1-3 hrs.
317-318- +319. **Oboe.** 1-3 hrs.
320-321- +322. **Clarinet.** 1-3 hrs.
323-324- +325. **Saxophone.** 1-3 hrs.
326-327- +328. **Bassoon.** 1-3 hrs.
329-330- +331. **Horn.** 1-3 hrs.
332-333- +334. **Trumpet.** 1-3 hrs.
335-336- +337. **Trombone.** 1-3 hrs.
338-339- +340. **Euphonium.** 1-3 hrs.
341-342- +343. **Tuba.** 1-3 hrs.
344-345- +346. **Violin.** 1-3 hrs.

347-348- +349. **Viola.** 1-3 hrs.

350-351- +352. **Cello.** 1-3 hrs.

353-354- +355. **String Bass.** 1-3 hrs.

356-357- +358. **Percussion.** 1-3 hrs.

361-362- +363. **Voice.** 1-3 hrs.

364-365- +366. **Harp.** 1-3 hrs.

357-368- +369. **Guitar.** 1-3 hrs.

370. **Recital.** 0-1 hr.

375-376. **Accompanying.** 1 hr.

380. **Jazz Combo.** 1 hr. (May be taken two times.)

391-392- +393. **Composition.** 1-3 hrs.

499. **Recital Class.** 1 hr. (Two semesters)

Fourth Year

395. **Music Education Recital.** 0 hrs. Students seeking the Bachelor of Music Education degree must present a half-recital (i.e., thirty minutes), open to the public, that is graded "Satisfactory" by the appropriate faculty area.

401-402. **Piano.** 1-3 hrs.

404-405. **Harpsichord.** 1-3 hrs.

411-412. **Organ.** 1-3 hrs.

414-415. **Flute.** 1-3 hrs.

417-418. **Oboe.** 1-3 hrs.

420-421. **Clarinet.** 1-3 hrs.

423-424. **Saxophone.** 1-3 hrs.

426-427. **Bassoon.** 1-3 hrs.

429-430. **Horn.** 1-3 hrs.

432-433. **Trumpet.** 1-3 hrs.

435-436. **Trombone.** 1-3 hrs.

438-439. **Euphonium.** 1-3 hrs.

441-442. **Tuba.** 1-3 hrs.

444-445. **Violin.** 1-3 hrs.

447-448. **Viola.** 1-3 hrs.

450-451. **Cello.** 1-3 hrs.

453-454. **String Bass.** 1-3 hrs.

456-457. **Percussion.** 1-3 hrs.

461-462. **Voice.** 1-3 hrs.

464-465. **Harp.** 1-3 hrs.

467-468. **Guitar.** 1-3 hrs.

470. **Recital.** 1-2 hrs.

475-476. **Accompanying.** 1 hr.

491-492. **Composition.** 1-3 hrs.

494. **Major Solo Role in an Opera.** 1 hr. Permission of instructor and major applied teacher. Simultaneous enrollment in Opera Theatre is required.

499. **Recital Class.** 1 hr. (Two semesters)

Ensembles

282. **Band.** 1 hr. (May be taken four times). (JC 1111, 1121, 2111, 2121)

283. **University Chorale.** 1 hr. (May be taken four times). (JC 1211, 1221, 2211, 2221)

471. **Chamber Music.** 1 hr. (May be repeated)

478. **Carillon.** 1 hr. Multiple handbell ensemble. Audition required. (May be repeated).

479. **Covenant.** 1 hr. Vocal ensemble, the repertoire of which is American sacred music. Audition required. (May be repeated).

480. **Jazz Combo.** 1 hr. (May be repeated)

481. **Orchestra.** 1 hr. (May be repeated)

482. **Band.** 1 hr. (May be repeated)

483. **University Chorale.** 1 hr. (May be repeated)

484. **Jazz Lab Band.** 1 hr. (May be repeated)

485. **Collegium Musicum.** 1 hr. (May be repeated)

486. **Oratorio Chorus.** 1 hr. (May be repeated)

487. **Jazz Singers.** 1 hr. Contemporary vocal jazz ensemble. Audition required. (May be repeated).

488. **University Singers.** 1 hr. (May be repeated)

489. **Chamber Singers.** 1 hr. An ensemble functioning in various ways such as madrigal singers, jazz choir, opera chorus. (May be repeated)

490. **Opera Theatre.** 1 hr. (May be repeated)

NURSING (NSG—070)

NOTE: Students must be advised by a nursing faculty adviser for progression through the nursing program.

307. **Commonalities in Nursing Practice.** 4 hrs. Prerequisites: Permission of instructor. Understanding of common factors permeating all areas of nursing practice.

312. **Introduction to the Role of the Professional Nurse.** 3 hrs. Prerequisite: Certification to upper division nursing major. This course serves as an introduction to nursing as a professional discipline.

+ 313. **Introduction to Nursing Practice.** 3 hrs. Two theory contact hours per week and 2 laboratory contact hours per week. Prerequisite: Certification to upper division nursing major. Introduction to nursing skills, physical assessment, pharmacology.

325. **Adult Health Nursing I.** 5 hrs. Two theory contact hours per week. Prerequisites: NSG 312, 313. Pre- or Corequisite: NSG 344. Nursing management of clients with assimilation, elimination, altered mobility problems.

325-L. **Adult Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite to NSG 325.

326. **Research.** 2 hrs. Prerequisite: NSG 312. An exploration of the research process with emphasis on applicability to nursing process.

+ 327. **Nursing Care of Women and Developing Families.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 325, 344. Application of the nursing process with women and child bearing families.

327-L. **Nursing Care of Women and Developing Families Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite to NSG 327.

328. **Adult Health Nursing II.** 6 hrs. Three theory contact hours per week. Prerequisite: NSG 325. Management of client with altered endocrine, CV, respiratory, sensory, pancreatic-hepatobiliary functions and immunologic problems.

328-L. **Adult Health Nursing Laboratory II.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 328.

344. **Health Deviations.** 4 hrs. Prerequisites: Certification to Upper Division Nursing. An analysis of altered body physiology in health deviations.

+ 361. **Medical-Surgical Nursing.** 10 hrs. Permission of instructor. The focus is on the nursing care of clients in a variety of settings and various stages of the wellness-illness continuum.

+ 362. **Psychiatric Nursing.** 6 hrs. Permission of instructor. This course reflects the broad spectrum of psychological wellness-illness.

+ 363. **Maternal-Child Nursing.** 10 hrs. Permission of instructor. The course is in two parts; nursing care of the childbearing woman and nursing care of children at various stages of health and wellness.

403. **Approaches to Nursing.** 3 hrs. Prerequisites: Admission to nursing major and all non-nursing courses. Personal, philosophical, and theoretical approaches to nursing.

406. **Death and Bereavement.** 3 hrs. An examination of research and theory related to death and bereavement.

+ 412. **Child Health Nursing.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 327, 328. Application of the nursing process with children and their families.

412-L. **Child Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 412.

+ 413. **Psychiatric/Mental Health Nursing.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 327, 328. Application of the nursing process with clients experiencing psychiatric/mental health disorders.

413-L. **Psychiatric/Mental Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 413.

419. **The Computer as a Nursing Tool.** 3 hrs. Exposure to the computer and examination of nursing applications.

426. **Nursing of the Chronically Mentally Ill.** 3 hrs. Prerequisites: NSG 324, 334L. The adaption of nursing agency to assist the chronically mentally ill.

+ 427. **Community Health Nursing.** 7 hrs. Four theory contact hours per week. Prerequisites: NSG 412, 413. Application of the nursing process with individuals, families and groups in the community.

427-L. **Community Health Nursing Laboratory.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 427.

+ 428. **Adult Health Nursing III.** 6 hrs. Three theory contact hours per week. Prerequisites: NSG 412, 413. Application of nursing process to adults with complex and life-threatening health deviations.

428-L. **Adult Health Nursing Laboratory III.** 0 hrs. Six clinical contact hours per week. Corequisite: NSG 428.

429. **Leadership Role of the Professional Nurse.** 3 hrs. Three theory contact hours per week. Prerequisites or Corequisite: NSG 427, 428. Exploration of the role of the professional nurse as a leader.

429-L. **Leadership Role of the Professional Nurse Laboratory.** 2 hrs. Four clinical contact hours per week. Corequisite: NSG 429. Leadership practicum in professional nursing.

436. **Hospice: Concept and Application.** 3 hrs. Prerequisite: Senior Level. Explores concept and operationalization with emphasis on legislation, funding, referrals, advocacy.

437. **Abusive Behavior: An Exploration.** 3 hrs. An interdisciplinary exploration of abusive behavior across the life span.

438. **Health Care Financing in the 1980's.** 3 hrs. Prerequisite: R. N. Licensure. Survey of health economics, finance theory, cost control, prospective reimbursement, trends.

440. **Oncology Nursing.** 3 hrs. Major issues relevant to the care of the oncology patient will be examined.

451. **Nursing Leadership and Management.** 3 hrs. Designed to enrich the student's knowledge of nursing leadership and management within the framework of health care facilities.

452. **Teaching in Nursing.** 3 hrs. Elective. Basic principles of learning and teaching as applied to nursing.

453. **Basic Assessment.** 3 hrs. Prerequisite: R.N. Licensure. Comprehensive health assessment; emphasis on health history, systematic physical assessment.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

489. **Caribbean Studies: Health Care Delivery System.** 3 hrs. Various topics.

+ 490. **Nursing NCLEX Board Review.** 2 hrs. Review of five major clinical areas of nursing and common health deviations.

491. **Austrian Studies.** 3 hrs. Variable topics.

492. **Directed Study of Nursing.** 1-6 hrs. Permission of instructor required. (Students undertaking a Senior Honors Project will enroll in NSG H492 for 3 hours).

493. **Health Care of the Elderly in England.** 3 hrs. This course is designed to explore the effects on the family of providing care for the dependent elderly.

494. **Health Care in England.** 3 hrs. Comparison of health care system in the U.S. and England. Philosophies of health and nursing in a community are explored.

495. **Management and Economics of Health Care.** 3-6 hrs. Prerequisite: Senior level. U.S. and British health system, financing, administration, and nursing management.

496. **Nursing: The British Heritage.** 3-6 hrs. The evolvement of modern nursing in England within the context of international, social, economic and political events.

497. **Emergency Nursing: A British View.** 3 or 6 hrs. Prerequisite: Senior level. Introduction to the British health system and roles assumed by British emergency nurses.

498. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Senior standing or Permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies: Hospice Study and Experience.** 3 hrs. Prerequisite: Permission of instructor. Introduction to hospice concept and symptom control in special units, hospitals and homes. British caregivers will present origin and current application of hospice concept.

PARALEGAL STUDIES (PLS—282)

381. **Introduction to Paralegalism.** 3 hrs. An introduction to the field of paralegalism including the history and scope of the profession.

382. **Civil Litigation.** 3 hrs. An introduction to the mechanics of civil litigation.

383. **Legal Research.** 3 hrs. A summary of primary and secondary legal sources including reports, digests, statutes, citations, and other basic materials used in legal research.

384. **Legal Drafting.** 3 hrs. An introduction to writing legal memoranda, briefs, and other documents used in civil and criminal practice.

386. **Equity Practice.** 3 hrs. A study of the documents and procedures used in equity law.

389. **Internship in Paralegal Studies.** 3-9 hrs. Prerequisites: PLS 381, 382, 383, and 384 and permission of the Director. The course is open only to paralegal majors and minors.

PHILOSOPHY (PHI—284)

151. **Introduction to Philosophy.** 3 hrs. An introduction to the methods and major themes of philosophy. (JC 2113, 2153)

253. **Logic.** 3 hrs. An introduction to induction, deduction, fallacies, scientific method, and symbolic logic. (JC 2713)

300. **Business Ethics.** 3 hrs. A philosophical exploration of how to recognize, analyze, and implement ethical decisions within the multivalued contexts of the various fields of business.

316. **Science and Values.** 3 hrs. An investigation into the origins of science in Western culture with special emphasis on the scientific revolution and its impact on the relationship of facts and values.

352. **Oriental Philosophy.** 3 hrs. A survey of the philosophical thought of India and the Far East.

353. **Study of a Major Philosopher.** 3 hrs. May be repeated for credit to a total of nine hours. A detailed examination of a selected philosopher.

354. **Theories of Knowledge.** 3 hrs. An examination of classical and contemporary theories in epistemology.

356. **Ethics.** 3 hrs. An examination of classical and contemporary moral theory.

372. **Philosophy of Religion.** 3 hrs. An examination of classical problems in philosophical theology.

406. **Philosophy of Man.** 3 hrs. Philosophical consideration of the nature of man including topics in philosophical anthropology and philosophy of mind.

410. **Classical Philosophy.** 3 hrs. An outline survey of Greek philosophical thought.

412. **Modern Philosophy.** 3 hrs. Survey of 17th and 18th century European philosophy.

420. **Metaphysics.** 3 hrs. Analysis of classical and contemporary problems in metaphysics.

436. **Aesthetics.** 3 hrs. Philosophical analysis of theories of art and beauty.

440. **American Philosophy.** 3 hrs. Survey of the development of philosophy in America and major American philosophers.

450. **Existentialism and Phenomenology.** 3 hrs. An examination of the central themes in contemporary European existentialism and phenomenology.

451. **Political Philosophy.** 3 hrs. The major schools of political philosophy from classical to contemporary times.

452. **Medical Ethics.** 3 hrs. An examination of various conceptual and ethical issues in medical ethics.

453. **Philosophy of Law.** 3 hrs. An inquiry into theories of law.

457. **Environmental Ethics.** 3 hrs. An examination of human responsibilities for nature; the impact of civilization on the natural world; formulation of ethical principles and policies.

458. **Symbolic Logic.** 3 hrs. The basic theory and operations of the propositional calculus, quantification, and the logic of relations.

460. **Analytic Philosophy.** 3 hrs. An examination of the central themes in contemporary British-American analytic philosophy.

482. **General Value Inquiry.** 3 hrs. Emphasizes activities and theory in 3 major areas: values clarification; moral development; and ethical reasoning.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the department chairman. May be taken for a total of nine hours. (Students undertaking a Senior Honors Project will enroll in PHI H492.)

499. **British Studies: Philosophy.** 3-6 hrs. An introduction to the language and techniques of philosophy relevant to practical, critical problems.

PHYSICAL EDUCATION (PED—730)

100. **Aerobics with Rhythm.** 1 hr.

101. **Aerobics with Weights.** 1 hr.

102. **Fitness Walking.** 1 hr.

105. **Concepts in Physical Fitness.** 1 hr. The course is designed to develop understanding in the conceptual knowledge of health and fitness in the development and maintenance of human wellness. (JC 1591, 1592)

118. **Team Sports.** 1 hr.

119. **Beginning Volleyball.** 1 hr.

130. **Four Wall Sports.** 1 hr.

131. **Fencing.** 1 hr.

132. **Beginning Badminton.** 1 hr.

133. **Beginning Archery.** 1 hr.

134. **Beginning Golf.** 1 hr.

135. **Beginning Yoga.** 1 hr.

\+ 136. **Bowling.** 1 hr.

140. **Bicycling.** 1 hr.

141. **Beginning Tennis.** 1 hr.

142. **Snow Skiing.** 1 hr.

143. **Roller Dance Skating.** 1 hr.

146. **Developmental Skills.** 1 hr. PED majors or minors only.

147. **Developmental Skills.** 1 hr. PED majors or minors only.

148. **Developmental Skills.** 1 hr. PED majors or minors only.

150. **Tumbling, Beam, and Floor Exercises.** 1 hr.

151. **Tumbling, Uneven Parallel Bars, and Vaulting.** 1 hr.

152. **Men's Beginning Gymnastics Apparatus.** 1 hr.

153. **Beginning Trampoline.** 1 hr.

160. **Beginning Swimming.** 1 hr.

163. **Aquatic Sports.** 1 hr.

170. **Sport Judo.** 1 hr.

+ 171. **Western Horsemanship.** 1 hr.

+ 172. **Introduction to Horseshowing.** 1 hr.

+ 173. **English Horsemanship.** 1 hr.

+ 174. **Introduction to Horse Training.** 1 hr.

181. **Beginning Social Dance.** 1 hr.

184. **Beginning Square Dance.** 1 hr.

218. **Officiating Techniques in Women's Sports.** 3 hrs.

220. **Introduction to Health and Physical Education.** 3 hrs. Survey of the areas of health and physical education.

250. **Women's Intermediate Gymnastics Apparatus.** 1 hr.

284. **Creative Rhythms.** 3 hrs.

301. **Kinesiology.** 3 hrs. Analysis of movement in body mechanics.

302. **Techniques for Evaluating Fitness.** 3 hrs. This course provides the student with the necessary cognitive skills and appropriate lab experiences to evaluate fitness in a systematic and safe manner.

303. **Evaluation in Health and Physical Education.** 3 hrs. Administration and interpretation of tests in health, physical fitness, and skills.

304. **Nutrition and Sport Performance.** 3 hrs. The analysis and synthesis of available literature relative to nutrition and human performance.

309. **First Aid.** 2 hrs. Standard First Aid and Adult CPR as approved by the American Red Cross. Meets O.S.H.A. minimum requirements.

310. **Special Topics Seminar.** 1 hr.

311. **Emergency Health Care.** 3 hrs. Prerequisite: Classification as a Junior or Senior. Standard First Aid and Adult CPR with advanced study toward instructor rating with the American Red Cross. Meets O.S.H.A. minimum requirements.

311-L. **Emergency Health Care Laboratory.** 1 hr. To be taken concurrently with PED 311. Includes Instructor Rating Certification for Safety and Health Education (SHE) for the American Red Cross.

314. **Instructional Techniques in Team Sports.** 3 hrs.

320. **Preschool and Primary School Physical Education.** 3 hrs. An introduction to philosophy, objectives, methods, and curriculum content.

321. **Elementary and Middle School Physical Education.** 3 hrs. Philosophy, objectives, methods, and curriculum.

323. **Efficiency of Human Movement.** 3 hrs. A study of the mechanical principles affecting human movement.

326. **Instructional Techniques in Individual and Dual Sports.** 3 hrs.

334. **Golf.** 1 hr.

341. **Tennis.** 1 hr.

360. **Theory of Teaching Swimming and Diving.** 2 hrs. Organization and administration of the community swimming program.

361. **Swimming for the Disabled.** 1 hr. The development of techniques and activities in teaching the disabled to swim.

370. **Advanced Sport Judo.** 1 hr.

380. **Creative Rhythms for the Disabled.** 1 hr. The development of techniques and activities used in teaching rhythms and dance to the disabled.

401. **Corrective, Adaptive, and Developmental Physical Education.** 3 hrs. Recognition of, and corrective exercises for, functional abnormalities.

402. **Physiology of Exercise.** 3 hrs. A study of the physiological changes which occur in the body during muscular activity.

402-L. **Physiology of Exercise Laboratory.** 1 hr. To be taken concurrently with PED 402.

403. **Fundamental Motor Patterns.** 3 hrs. An analysis of the fundamental motor patterns developed during early childhood.

404. **Motor Development.** 3 hrs. A study of the motor aspects of the total human growth and development process.

405. **Clinical Exercise Physiology.** 3 hrs. Exercise prescription and lifestyle modifications for special populations with concerns for CHD, hypertension, renal disorders, etc.

406. **Physiology of Aging.** 3 hrs. This course will provide a basic scientific rationale for the development and maintenance of health fitness, focusing upon persons past 50.

410. **Physical Education and Therapeutic Recreation for the Educationally Disabled and Other Disorders.** 3 hrs. The development of concepts and knowledge of physical education programs for LD, MR, and ED.

411. **Physical Education and Therapeutic Recreation for the Crippled and Other Health Impaired.** 3 hrs. The development of concepts and knowledge for programs for CP, PH individuals.

415. **Motor Development Project.** 3 hrs.

420. **Practicum in Physical Education.** 1-6 hrs. Arr. May be repeated for a total of six hours. Experiences in the various phases of the physical education program.

423. **Analysis of Human and Sport Skills.** 3 hrs. Prerequisite: PED 301. The study of anatomic, mechanical, and neurophysiological factors influencing human motion.

424. **Seminar in Elementary Physical Education.** 3 hrs. Prerequisite: PED 320 or 321.

426. **Program Design and Supervision in Physical Education.** 3 hrs. Prerequisite: PED 320 or consent of instructor. Program planning and implementation in school and non-school instructional settings.

430. **Physiology of Stress and Exercise.** 3 hrs. The psychophysiology of stress and exercise among adults engaged in fitness training.

450. **Movement Experiences for Young Children.** 2 hrs.

451. **Techniques of Teaching Stunts, Tumbling, and Use of Apparatus.** 3 hrs.

462. **Methods in Teaching Secondary Physical Education.** 3 hrs. Prerequisite: PED 320. Corequisites: CIS 474, 475. Motor learning theory, teaching strategies, and class management in secondary physical education.

490. **Physical Education and Recreation for the Handicapped.** 1-3 hrs.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

PHYSICS (PHY—360)

103. **Introductory Physics.** 3 hrs. Prerequisite: MAT 101. A survey of physics principles for non-science majors. Credit for this course may not be applied toward degrees in the College of Science and Technology.

103-L. **Introductory Physics Laboratory.** 1 hr. Corequisite: PHY 103.

111. **General Physics.** 3 hrs. Prerequisites: MAT 101, 103. Corequisite: PHY 111-L. A traditional course in physics intended for liberal arts and pre-medical students. (JC 2414)

\+ 111-L. **General Physics Laboratory.** 1 hr. Corequisite: PHY 111.

112. **General Physics.** 3 hrs. Prerequisite: PHY 111. Corequisite: PHY 112-L. A continuation of PHY 111. (JC 2424)

\+ 112-L. **General Physics Laboratory.** 1 hr. Corequisite: PHY 112.

201. **General Physics with Calculus.** 4 hrs. Corequisite: MAT 178 and PHY 201-L. A rigorous course in physics recommended for physics majors. Required for pre-engineering students. (JC 2514)

\+ 201-L. **General Physics with Calculus Laboratory.** 1 hr. Corequisite: PHY 201.

202. **General Physics with Calculus.** 4 hrs. Prerequisite: PHY 201. Corequisite: PHY 202-L. A continuation of PHY 201. (JC 2524)

\+ 202-L. **General Physics with Calculus Laboratory.** 1 hr. Corequisite: PHY 202.

327. **Electronics I.** 3 hrs. Prerequisite: PHY 112 or 202. Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

327-L. **Electronics I Laboratory.** 1 hr. Corequisite: PHY 327.

328. **Electronics II.** 3 hrs. Prerequisite: PHY 327. A continuation of PHY 327.

328-L. **Electronics II Laboratory.** 1 hr. Corequisite: PHY 328.

332. **Thermodynamics and Statistical Mechanics.** 5 hrs. Prerequisites: PHY 202 and 361. Temperature, thermodynamic principles, and the application of statistics to classical and quantum systems.

341. **Optics.** 3 hrs. Prerequisite: PHY 112 or 202. Rays, refractive and reflective surfaces, lens design, and the electromagnetic theory of light.

341-L. **Optics Laboratory.** 1 hr. Corequisite: PHY 341.

350. **Mechanics.** 3 hrs. Prerequisites: PHY 202, MAT 179. Corequisite: MAT 280. Mathematical treatment of the dynamics of particles and rigid bodies.

351. **Mechanics.** 3 hrs. Prerequisite: PHY 350. A continuation of PHY 350.

361. **Elementary Modern Physics.** 3 hrs. Prerequisite: PHY 112 or 202. Survey of atomic particles, radiation, and x-rays. Optical Spectra.

361-L. **Elementary Modern Physics Laboratory.** 1 hr. Corequisite: PHY 361.

392. **Physics Special Problems.** 1-3 hrs. Prerequisite: Permission. Theoretical and experimental problems limited to junior and senior students.

410. **Physical Oceanography I.** 3 hrs. Prerequisites: PHY 112 or 202 and MAT 179. Properties of sea water, fluid mechanics, currents and frictional forces, waves.

421. **Electricity and Magnetism.** 3 hrs. Prerequisites: PHY 351, MAT 385. Vector analysis, electrostatics, magnetostatics, and electromagnetic fields.

422. **Electricity and Magnetism.** 3 hrs. Prerequisite: PHY 421. A continuation of PHY 421.

435. **Principles of Microwave Systems.** 3 hrs. Prerequisite: PHY 327. Introduction to microwave theory, basic design of microwave systems.

446. **Acoustics.** 3 hrs. Prerequisites: MAT 417 and permission of instructor. Principles underlying the generation, transmission and reception of acoustic waves, with applications.

451. **Physical Applications of the Fourier Transform.** 3 hrs. Prerequisites: MAT 280 and PHY 202. Convolution, deconvolution of physical signals and introduction to sampling.

455. **Fluid Dynamics.** 3 hrs. Prerequisites: PHY 350 and MAT 385. A mathematical development of the physical principles governing fluid flow.

460. **Advanced Physics Laboratory.** 2 hrs. Prerequisites: Permission and Senior Standing. Advanced experiments in modern physics.

461. **Quantum Mechanics.** 5 hrs. Prerequisites: PHY 351 and 361. Quantum theory, spectroscopy, and atomic and nuclear structure.

464. **Fundamentals of Solid State Physics.** 3 hrs. Prerequisites: PHY 351 and 361.

465. **Nuclear Physics.** 3 hrs. Prerequisites: PHY 350 and 361. Nuclear binding forces, chain reactions, and nuclear reactors.

471. **Physical Marine Science.** 3 hrs. Prerequisite: PHY 112 or 202 and MAT 179. Same as MAR 461. Physical properties of seawater, heat transfer, major ocean currents, surface waves and sound.

471-L. **Physical Marine Science Laboratory.** 1 hr. Corequisite: PHY 471 or MAR 461. Same as MAR 461-L. Properties of sea water, wave refraction, reflection and diffraction. Sampling and instrument calibration procedures.

485. **History and Literature of Physics.** 3 hrs. Prerequisite: PHY 112 or 202. A survey of physics from the ancients to the present.

499. **Undergraduate Research.** 1-6 hrs. Prerequisite: Permission. An introduction to the methods of physical research. (Students undertaking a Senior Honors Project will enroll in PHY H499.)

PLANNING (PLG—260)

360. **Introduction to Community and Regional Planning.** 3 hrs. A review of the fundamentals and historic development of community and regional planning.

450. **Grantsmanship.** 3 hrs. Identification and analysis of funding programs supporting community and regional development. Exercises in grant writing and management.

461. **Socioeconomic Planning.** 3 hrs. Compilation, analyses and projection of population, and economic variables as they relate to community and regional planning.

462. **Environmental Planning.** 3 hrs. A detailed study of environmental planning analysis and methodology as an element in land-use decision-making systems.

463. **Planning Methods.** 3 hrs. An introduction to basic methods and techniques used in planning and policy analysis.

464. **Community Infrastructure.** 3 hrs. Examination and analysis of housing, transportation, and community facilities planning, development, and operations.

465. **Land Use Planning and Policy.** 3 hrs. Consideration of various legal and institutional tools related to implementation of community and regional plans.

466. **Planning Agency Management.** 3 hrs. An analysis of the management and operation procedures of community and regional planning organizations.

469. **Studio-Laboratory: Plan Preparation.** 3 hrs. Preparation and presentation of a professional plan as a collaborative community/student group effort. May be repeated with change of content for a total of six (6) hours.

470. **Planning Theory and Practice.** 3 hrs. A study of the development of planning theory and practice and the contributions various professions and academic disciplines have made to the planning profession.

491. **Planning Internship.** 1-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-6 hrs. May be repeated for a total of six hours.

499. **Comparative Urban Planning.** 3-6 hrs. This course focuses on urban planning and the development of the urban landscape in the British Isles. Includes lectures, field trips, and directed research.

POLITICAL SCIENCE (PS—280)

101. **American Government.** 3 hrs. (JC 1113, 1153)

220. **Introduction to Political Science.** 3 hrs. A survey of the general field of study of political science to prepare students for subsequent study in a specific subject and field. (JC 2213)

291. **Research in Political Science.** 1 hr.

301. **State and Local Politics.** 3 hrs.

302. **Current Problems in Government.** 3 hrs. A study of current problems before the national, state, and local governments at the time the course is taught.

303. **American Political Movements.** 3 hrs. A study of Afro-American, Old and New Left, Radical Right, Counter-Culture, and Feminist movements.

320. **Introduction to Political Theory.** 3 hrs. A survey of the principal political ideologies in the world today.

330. **United States Foreign Policy.** 3 hrs.

331. **Introduction to International Politics.** 3 hrs.

351. **Introduction to Comparative Government.** 3 hrs. A classification of selected political systems analyzed in the context of different economic and political cultures.

370. **Introduction to Public Administration.** 3 hrs.

375. **Government and Economics.** 3 hrs.

380. **Introduction to Law in American Society.** 3 hrs. A basic course to familiarize students with the court structure, the legal profession, and the role of law in American society.

401. **Political Socialization.** 3 hrs. An analysis of the American political system on an advanced level.

402. **Urban Politics.** 3 hrs.

404. **The Legislative Process.** 3 hrs.

405. **Women and Politics.** 3 hrs.

406. **Political Parties.** 3 hrs.

407. **Mississippi Government.** 3 hrs.

408. **The American Presidency.** 3 hrs. An analysis of the selection, role, power, and performance of the presidency.

409. **Southern Politics.** 3 hrs. An examination of the politics and political culture of the southern states.

420. **Political Theory to Locke.** 3 hrs.

421. **Political Theory Locke to Present.** 3 hrs.

425. **American Political Theory.** 3 hrs.

431. **International Law and Organization.** 3 hrs.

432. **Foreign Policies of the Major Powers.** 3 hrs. An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and lesser blocs.

435. **Comparative Foreign Policy.** 3 hrs.

450. **Comparative Studies in European Politics.** 3 hrs.

451. **Soviet Government and Politics.** 3 hrs.

452. **The Political Systems of Great Britain and the Commonwealth.** 3 hrs.

456. **Latin American Governments and Politics.** 3 hrs.

457. **Political Development.** 3 hrs. A comparative analysis of political change and modernization.

458. **Latin American Political and Economic Development.** 3 hrs.

459. **Federalism.** 3 hrs. An analysis of the theory and practice of political systems which are organized along federal lines.

471. **Public Personnel Administration.** 3 hrs.

472. **Organization and Management.** 3 hrs.

473. **Public Policy.** 3 hrs.

474. **The Politics of Taxing and Spending.** 3 hrs. Facets of budgetary administration, emphasizing federal and municipal budgets, theory, and process.

480. **United States Constitutional Law.** 3 hrs.

481. **The American Judicial Process.** 3 hrs.

482. **Comparative Judicial Politics.** 3 hrs. Prerequisite: PS 480 or PS 481 or consent of instructor.

484. **Administrative Law.** 3 hrs.

485. **International Law.** 3 hrs.

488. **Jurisprudence.** 3 hrs.

489. **U.S. Supreme Court and Civil Liberties.** 3 hrs. An analysis of the role of the U.S. Supreme Court in protecting individual rights. Primary focus is on litigation involving provisions of the Bill of Rights.

491. **Proseminar in Political Science.** 3 hrs. Prerequisite: Consent of instructor. An undergraduate seminar devoted to topics selected by the supervising professor. May be repeated once for credit with change in content.

492. **Special Problems.** 1-3 hrs. (Student undertaking a Senior Honors Project will enroll in PS H492.)

497. **Government-Business Relations in Japan.** 3 hrs. An on-site analysis of business and government linkage in Japan offered under the auspices of the Center for International Education.

499. **Seminar in British Politics.** 3-6 hrs. Prerequisite: PS 351 or PS 452, or permission of instructor. A seminar conducted in Great Britain under the auspices of the Anglo-American Institute.

POLYMER SCIENCE (PSC—370)

(See also FORENSIC SCIENCE)

191. **The Polymer Industry I.** 2 hrs. An introduction to the history, recent developments, applications, and processing of polymers.

291. **The Polymer Industry II.** 2 hrs. An introduction to the properties of major commercial polymers, raw material sources, and the organization of the polymer industry.

301. **Organic Polymer Chemistry I.** 3 hrs. Systematic study of polymers with emphasis centered on those synthesized by step-growth polymerization.

302. **Organic Polymer Chemistry II.** 3 hrs. A study of polymer formation techniques, kinetics, and properties with emphasis on addition polymerization, copolymerization, and stereoregular polymerization.

310. **Technical and Scientific Communication.** 1 hr. Training in the preparation of written and oral reports on scientific and technical problems.

330. **Structure of Materials.** 3 hrs. An introduction to the physical character of materials emphasizing the relationship of structure to fundamental composition.

\+ 341-L. **Polymer Techniques I.** 2 hrs. Laboratory methods of polymer synthesis, structural determination, and characterization.

\+ 342-L. **Polymer Techniques II.** 2 hrs. Laboratory methods of polymer synthesis, structural determination, and characterization.

350. **Polymeric Materials.** 3 hrs. Introduction to materials science. Comparison of structure and properties of polymers to non-polymeric materials.

360. **Polymer Rheology.** 3 hrs. Theory and practice of Newtonian and non-Newtonian fluid flow behavior.

361. **Polymer Processing.** 3 hrs. Plastics extrusion technology and theory. Technical planning for plastics production. Material selection for plastic products. Trends in plastics industry.

\+ 361-L. **Laboratory for Polymer Science 361.** 2 hrs.

370. **Surface Coatings Science I.** 4 hrs. Introduction to surface coatings.

371. **Surface Coatings Science II.** 4 hrs. Introduction to surface coatings. A continuation of PSC 370.

390. **Individual Research Projects in Polymer Science.** 1-6 hrs. May be repeated for credit.

401. **Physical Chemistry of Polymers I.** 3 hrs. Polymer structure, chain conformation, solution properties, thermodynamics, fractionation, and molecular weight measurement.

402. **Physical Chemistry of Polymers II.** 3 hrs. Instrumental analysis of polymers, morphology, rheology, structure-property relationships.

410. **Safety Principles and Procedures in the Chemical Sciences.** 1 hr. Common laboratory hazards and their remediation.

412. **Introduction to Macromolecules.** 3 hrs. An introduction to the chemistry and physics of natural and synthetic high polymers.

430. **Plastics, Ceramics, Composites.** 3 hrs. A comparative study of the physical property behavior of non-metallic materials in pure form and in combination.

450. **Polymer Characterization.** 4 hrs. Macromolecular chemical structure and morphological characterization using thermal, spectroscopic and x-ray diffraction techniques.

460. **Physical Properties of Polymers I.** 3 hrs. Mechanical and electrical properties of polymers as viscoelastic materials emphasizing the effects of time and temperature at constant stress levels.

460-L. **Laboratory for Polymer Science 460.** 1 hr.

461. **Physical Properties of Polymers II.** 3 hrs. Mechanical and electrical properties of polymers as materials emphasizing the effects of time and temperature at variable stress levels.

461-L. **Laboratory for Polymer Science 461.** 1 hr.

470. **Surface Coatings.** 4 hrs. Study of the physical and chemical properties of the pigments, binders, solvents, and additives employed in surface coatings; dispersion techniques, surface preparation, paint testing, application techniques, and surface coatings analysis are also discussed.

\+ 470-L. **Laboratory for Polymer Science 470.** 1 hr.

480. **Polymer Kinetics.** 3 hrs. Introduction to polymerization kinetics and reactor design.

490. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final report required. (Students undertaking a Seniors Honor Project will enroll in PSC H490.)

\+ 490-L. **Laboratory for Polymer Science 490.** 3 hrs. Prerequisite or corequisite: PSC 410.

491. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final report required. (Students undertaking a Seniors Honor Project will enroll in PSC H491.)

\+ 491-L. **Laboratory for Polymer Science 491.** 3 hrs. Prerequisite or corequisite: PSC 410.

PSYCHOLOGY (PSY—175)

110. **General Psychology.** 3 hrs. Open to freshmen. An introduction to the scientific study of human behavior and experience. (JC 1513)

231. **Psychology of Personal Adjustment.** 3 hrs. Prerequisite: PSY 110. Understanding of the problems people face in our society, and the diverse ways in which they respond to these problems.

251. **Applied Psychology.** 3 hrs. Prerequisite: PSY 110. Application of psychological methods and principles to a number of occupational fields other than education.

310. **Advanced General Psychology.** 3 hrs. An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

320. **Experimental Psychology.** 3 hrs. Prerequisite: PSY 360. Concurrent registration in PSY 320-L is required. Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology.

320-L. **Experimental Psychology Laboratory.** 1 hr. Concurrent registration in PSY 320 is required.

360. **Introduction to Statistics for the Behavioral Sciences.** 3 hrs. Probability, central tendency, variability, and correlation. Hypothesis testing with Z, t, chi-square, and F.

370. **Child Psychology.** 3 hrs. Prerequisite: PSY 110. Study of the child through the elementary years, emphasizing principles and problems of development.

372. **Adolescent Psychology.** 3 hrs. Prerequisite: PSY 110. Psychological development of the individual through the adolescent years.

374. **Educational Psychology.** 3 hrs. Prerequisite: PSY 110 and permission of the instructor. Application of psychological methods, facts, and principles to education. Teacher education majors must be formally admitted to the teacher education program.

375. **Developmental Psychology.** 3 hrs. A study of the course of growth and development throughout the life span, with emphasis on principles of development. Students who take PSY 370 or 372 should not take this course.

385. **Applied Behavior Analysis.** 1-3 hrs. Prerequisites: PSY 110 and permission of instructor. Application of the principles of applied behavior analysis to problems involving human behavior change.

418. **History and Systems of Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Review of the history of psychology and intensive study of current systems of psychology. Primarily for senior psychology majors.

420. **Sensation and Perception.** 3 hrs. Prerequisite: PSY 360. A survey of sensory and perceptual processes with emphasis on the visual system.

422. **Psychology of Learning.** 3 hrs. Prerequisite: PSY 110. A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

424. **Animal Behavior.** 3 hrs. Prerequisite: PSY 110. Study of animal behavior with emphasis on the comparison of psychological processes along the phylogenetic scale.

426. **Physiological Psychology.** 3 hrs. Prerequisite: PSY 110. Relationships between physiological functions, especially those of the nervous system, and emotional behavior, motivation, and learning.

432. **Introduction to Behavior Modification.** 3 hrs. Prerequisite: Permission of instructor. Principles and techniques of behavior modification applied to normal and deviant behavior across environmental settings.

436. **Abnormal Psychology.** 3 hrs. Prerequisite: Permission of the instructor. Study of the major psychoneuroses, and mental deficiency; field trips, and demonstration clinics.

450. **Social Psychology.** 3 hrs. Prerequisite: PSY 110. Study of social influences on personality development and perceptual-cognitive processes and social motivation.

451. **Industrial Psychology.** 3 hrs. Prerequisite: PSY 110. (PSY 360 recommended). Applications of psychological principles and methods to problems of industry.

455. **Psychology of Personality.** 3 hrs. Prerequisites: PSY 110 and permission of the instructor. Different theoretical approaches to the development of the mature personality.

456. **Psychology of Aging and Death.** 3 hrs. Study of problems and attitudes concerning aging and death.

457. **Psychology of Religion.** 3 hrs. Prerequisite: PSY 110. An examination of modern psychological perspectives on religious beliefs, experiences, and practices.

462. **Psychological Measurement.** 3 hrs. Prerequisites: PSY 110 and 360. Theory, problems and techniques of psychological measurement.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development: Identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

482. **Moral Development in Childhood and Adolescence..** 3 hrs. Prerequisites: PSY 110 and permission of instructor. A study of the major psychological theories of moral development.

492. **Special Problems in Psychology.** 1-6 hrs. Prerequisites: PSY 110 and consent of instructor. (Students undertaking a Seniors Honors Project will enroll in PSY H492.)

493. **Field Experience in Psychology.** 1-3 hrs. Prerequisites: Twenty-four hours of psychology and permission of the instructor and department chair. Opportunity for the student to observe and participate under supervision in the activities of one or several agencies providing psychological services.

496. **Families of the Developmentally Disabled.** 3 hrs. Prerequisites: Senior standing or permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Senior Thesis.** 3 hrs. Prerequisite: Permission of department chair and instructor.

499. **British Studies.** 3-6 hrs.

RADIO-TELEVISION-FILM (RTF—220)

101. **Survey of Mass Communication.** 3 hrs. A survey of the development and operation of print, electronic and film media including an overview of mass communication theory and effects research.

111. **Radio Production.** 3 hrs. Introductory course in radio production covering control room on-air production, off-air program production, and radio station operations.

140. **Introduction to TV Production.** 3 hrs. Instruction in the fundamentals of communicating with the television medium through a combination of lecture, demonstration, and production assignments.

171. **Introduction to Film Production.** 3 hrs. An introduction to narrative film production in a super 8mm format.

302. **Broadcast News Writing.** 3 hrs. Prerequisites: JOU 202 and typing proficiency. Instruction and practice in the fundamentals of writing news copy for radio and television.

303. **Internship in Radio, Television, and Film.** 3 hrs. Prerequisites: Completion of 24 hours of RTF major, B average in RTF courses, overall GPA of 2.5, approval of the chair. May not be combined with RTF 418, Practicum in RTF.

304. **Radio News Reporting.** 3 hrs. Prerequisites: JOU 202 and RTF 302. Writing, editing, and producing radio news stories and newscasts. Emphasis on story idea origination, interviewing, audio recording, and newscast delivery.

305. **Television News Reporting.** 3 hrs. Prerequisites: JOU 202, RTF 302, and 304. Writing, video taping, and editing television news stories and series. Emphasis on story idea origination, interviewing, and electronic news gathering techniques.

320. **Announcing.** 3 hrs. Prerequisite: RTF 111. This course is designed to familiarize students with the requirements of a variety of radio and TV announcing situations.

330. **Broadcast Advertising.** 3 hrs. An overview of the advertising industry with an emphasis on network and local broadcast and cable television advertising operations.

340. **Intermediate Television Production.** 3 hrs. Prerequisite: RTF 140. Advanced topics in studio production and direction.

360. **Telecommunication Regulation and Policy.** 3 hrs. Study of the regulatory agencies, regulations, and policies which affect the operation of domestic telecommunication media and delivery systems.

370. **Film History and Criticism.** 3 hrs. This course combines text, lecture, discussion, and screenings to trace the first fifty years of motion pictures.

371. **Basic Cinematography.** 3 hrs. Prerequisite: RTF 171. This course builds upon the fundamentals covered in RTF 171 by introducing students to the professional 16mm film format.

373. **Film Animation.** 3 hrs. Prerequisite: Consent of instructor. A study of the basic principles of film animation.

375. **Film Editing.** 3 hrs. Prerequisite: RTF 471 or consent of instructor. Concentration on editing of sound and picture in the 16mm film format.

377. **Film Production Workshop.** 3 hrs. Prerequisite: RTF 471 or consent of instructor. The student will participate in the production of a 16mm sound film as editor, production manager, soundperson, or assistant cinematographer.

402. **Broadcast Journalism Workshop.** 3 hrs. Prerequisites: JOU 202, RTF 302, 304, and 305 or consent of instructor. Producing television newscasts. Emphasis on story selection, visual and graphic support, copy bridges, and newscast delivery techniques.

407. **Theories of Mass Communication.** 3 hrs. An examination of scholarly theory pertaining to the mass communication process, the functions of mass communication, and mass communication effects.

410. **Radio/Television Production Laboratory.** 1 hr. (May be repeated for a total of 3 hrs. credit) Prerequisite: Consent of instructor. Lab experience in radio or television production.

411. **Advanced Audio Production.** 3 hrs. Prerequisite: RTF 111 or consent of instructor. An advanced course in audio production for both aural and visual media.

416. **Telecommunication Media Management.** 3 hrs. Examination of management responsibilities in broadcast radio and TV, cable TV, and other electronic media and media delivery systems.

418. **Practicum in RTF.** 3 hrs. Individual production experience under supervision of a cooperating faculty member. May not be combined with RTF 303, Internship in RTF.

425. **Telecommunication Media Research.** 3 hrs. Prepares students to utilize and evaluate professional telecommunication research services and to conduct elementary studies of media audiences.

431. **Advertising Management and Sales.** 3 hrs. Prerequisite: RTF 330. This course focuses upon the organization, operation and management of the advertising department of a broadcast station or cable television system.

440. **Advanced Television Production.** 3 hrs. Prerequisite: RTF 340 or permission of instructor. Advanced topics in video post-production theory and practice.

442. **Writing for Radio-TV.** 3 hrs. Prerequisite: RTF 140. Basic broadcast copywriting for continuity, commercials and program formats. Course content is applied in frequent writing assignments.

447. **Television Production Workshop.** 3 hrs. Prerequisite: RTF 340 or permission of instructor. Advanced experience in all phases of television production, direction, and post-production.

448. **Seminar in Radio-TV.** 3 hrs. Prerequisite: Permission of instructor. Examination of a telecommunication topic. May be repeated with a different topic or combined with RTF 478 for a total of six hours.

460. **Issues in Telecommunication.** 3 hrs. Examination of structural, regulatory, policy, and social concerns related to the U.S. telecommunication industry.

470. **Contemporary Cinema.** 3 hrs. An historical treatment of the international trends in film from 1945 to the present. Feature films are screened for analysis and discussion.

471. **Advanced Cinematography.** 3 hrs. Prerequisite: RTF 371 and consent of instructor. Advanced instruction and practical production experience in 16mm motion picture cinematography.

472. **Writing for Television and Film.** 3 hrs. Narrative scriptwriting for television and film dramatic content.

473. **The Documentary Film.** 3 hrs. Evaluation of the documentary tradition in film through viewing and analysis of selected documentaries and review of pertinent literature.

474. **Techniques in Film Acting and Directing.** 3 hrs. Prerequisite: Consent of instructor. A course in the unique techniques of acting and direction which distinguish the film and theatrical dramatic forms.

475. **Film Business Procedures and Management.** 3 hrs. Prerequisite: Consent of instructor. Study of the business practices and problems involved in film production.

476. **British Film.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British filmmaking offered abroad under the auspices of the Institute of Anglo-American Studies.

477. **Advanced Film Production Workshop.** 3 hrs. Prerequisite: Consent of instructor. Advanced practical experience and instruction in film direction and cinematography.

478. **Seminar in Film.** 3 hrs. Prerequisite: Permission of instructor. Examination of a film topic. May be repeated with a different topic or combined with RTF 448 for a total of six hours.

479. **Film Theory and Criticism.** 3 hrs. Study of major film theories through study of the literature of film theory and screening and discussion of selected films.

480. **Comparative Media Systems.** 3 hrs. Study of the structure, function, and historical/political features of the electronic media systems of selected nations.

481. **International Broadcasting.** 3 hrs. Prerequisite: Permission of instructor. An examination of the development, structure, functions, programming, and audiences of international broadcasting services.

489. **Caribbean Mass Media Systems.** 3 hrs. Prerequisite: Consent of instructor. Lecture and research on the media systems of the Caribbean Basin with special attention given to coverage of Third World news.

492. **Special Problems in Radio, Television, and Film.** 1-3 hrs. Prerequisite: Consent of instructor. Arranged, in-depth investigation of an individual research topic. (Students undertaking a Senior Honors Project must enroll in RTF H492.)

499. **British Studies: Comparative Mass Media.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British and American mass media offered abroad under the auspices of the Institute of Anglo-American Studies.

REAL ESTATE AND INSURANCE (REI—617)

(Enrollment in Real Estate and Insurance courses requires at least junior standing.)

325. **General Insurance.** 3 hrs. Nature of risk, its measurement, and the insurance mechanism as a device for handling risk with reference to the principal types of coverage.

326. **Introduction to Actuarial Science.** 3 hrs. Compound interest theory, its application, and basic actuarial techniques of premium and reserve determination for life insurance and annuities.

330. **Real Estate Principles.** 3 hrs. An introduction to the field of real estate covering principles of law, valuation, management, financing, and brokerage of real estate.

340. **Real Estate Law.** 3 hrs. Prerequisite: BA 200. The law of real property and the law of real estate brokerage.

425. **Life Insurance.** 3 hrs. Prerequisite: REI 325. Types of policies and their uses; contract provisions; actuarial and legal aspects; settlement options.

432. **Real Estate Finance.** 3 hrs. A study of the sources of real estate funds and analytical techniques for investment decision-making.

434. **Real Estate Valuation.** 3 hrs. Prerequisites: REI 330 and FIN 300. Theory and practice of real estate valuation.

445. **Property and Liability Insurance.** 3 hrs. Prerequisite: REI 325. Fire, consequential loss, theft, automobile, general liability, and workmen's compensation insurance.

450. **Health Insurance.** 3 hrs. Prerequisite: REI 325. Disability risk with its economic consequences and the various health insurance coverages available to meet it.

498. **International Insurance Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international insurance issues and practices.

499. **International Insurance Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international insurance offered for students enrolled in REI 498.

RECREATION (REC—735)

Service Activity Courses—The following are activity courses offered on a grade or pass-fail basis.

\+ 180. **Skeet and Trap Shooting.** 1 hr.

182. **Marksmanship Instructors Course.** 1 hr.

183. **Pioneering.** 1 hr.

184. **Canoeing.** 1 hr.

185. **Family Camping.** 1 hr.

186. **Freshwater Fishing.** 1 hr.

187. **Saltwater Fishing.** 1 hr.

Career Courses—The following are career courses offered to meet requirements for a major in recreation leading to a Bachelor of Science degree.

200. **Man's Search for Leisure.** 3 hrs. A study of the evolution of leisure and service programs.

201. **Leisure Skills Development.** 3 hrs. To familiarize students with methods and materials for selected lifetime leisure skills.

210. **Practicum in Recreation I.** 1 hr. Initial field experience in the area of specialization.

211. **Practicum in Recreation II.** 1 hr. Observational experiences in areas of specialization.

212. **Practicum in Recreation III.** 1 hr. Practical field experiences as aide in area of specialization.

+ 300. **Recreational Scuba.** 2 hrs. Provides competent diving instruction to meet increased demand for aquatic recreation.

301. **Adventure Training.** 2 hrs. To develop student proficiency in land and water navigation, and survival techniques.

322. **Recreation Program Planning.** 3 hrs. Procedures and methods in planning and organizing a comprehensive recreation program.

323. **Recreation Leadership.** 3 hrs. Methods, techniques and materials for directing individuals in group activities.

341. **Camp Counseling, Administration, and Operation.** 3 hrs. Objectives, activities, methods, administrative and operational policies of organized camps.

344. **Commercial Recreation.** 3 hrs. An overview of the knowledge, skills, and values inherent to successful commercial leisure service organizations.

350. **Introduction to Therapeutic Recreation.** 3 hrs. Introduction to handicapped populations and the delivery of therapeutic recreation to meet individual needs.

350-L. **Introduction to Therapeutic Recreation Laboratory.** 1 hr. To be taken concurrently with REC 350.

351. **Community Integration and Special Populations.** 3 hrs. Foundations and principles of community leisure service integration for persons with disability.

+ 380. **Advanced Scuba.** 2 hrs. Prerequisite: REC 300. An opportunity to gain safe enjoyable experiences using advanced diving skills under controlled conditions.

390. **Recreational Sport Programming.** 3 hrs. Study of sport programming in recreational settings with attention on organization, management, and problems associated with sports programs.

402. **Seminar in Recreation.** 1 hr. A seminar course designed to examine pertinent issues and current practices in recreation.

411. **Adapted Activities and Techniques for Disabled Persons.** 3 hrs. Introduce the student to techniques in adapting activities, equipment and facilities for the delivery of adapted activities for the disabled.

413. **Organization and Administration of Recreation.** 3 hrs. Designed to study the organization and administration of recreation agencies and their policies.

415. **Business Procedures for Parks and Recreation.** 3 hrs. A study of specific business procedures and administrative policies.

416. **Military Recreation Administrative and Managerial Skills.** 3 hrs. Administrative and managerial skill development in a military environment.

417. **Legal Aspects of Recreation and Leisure Services.** 3 hrs. Legal issues related to leisure service management, including legal foundations, legal liability, land use policy, employment regulations, disabled services, and current issues.

423. **Advanced Management in Military Recreation.** 3 hrs. A study of policies, procedures and guidelines for military recreation programs and services.

424. **Community Recreation Resources, Services, and Organizations.** 3 hrs. A study of the varied agencies which provide community recreation services and the operation of specialized recreation facilities.

434. **Park Design and Maintenance.** 3 hrs. The principles and applications of design and maintenance as it applies to outdoor recreation areas and facilities.

436. **Park and Recreation Planning.** 3 hrs. Fundamental principles and methodologies dealing with proper identification, allocation, and use of resources.

436-L. **Park and Recreation Planning Laboratory.** 1 hr. To be taken concurrently with REC 436.

441. **Resources Management Policy.** 3 hrs. The techniques, procedures, and policies affecting management of natural resources.

443. **Outdoor Education.** 3 hrs. A study of outdoor education, specifically its philosophy, programs, methods, and resources. Organization, programming, and conducting of programs and activities in institutions.

444. **Operational Administration of Commercial Recreation.** 3 hrs. Emphasizes appropriate management skills which are essential to the successful operation of a commercial recreation enterprise.

447. **Interpretation of Cultural and Natural Resources.** 3 hrs. The interpretive process as applied to natural and cultural resources.

450. **Leisure Education.** 3 hrs. The history, theory and process of leisure education for the mature adult, persons with disabilities and the general populace.

451. **Therapeutic Recreation Programming.** 3 hrs. The organization, programming, and conducting of programs and activities in institutions.

452. **Gerontology & Therapeutic Recreation.** 3 hrs. an overview of the bio-psychosocial aspects of aging and the provision of recreation services for therapeutic recreation.

453. **Administrative Issues in Therapeutic Recreation.** 1 hr. Administrative issues related to the delivery of activity therapy services in clinical and community-based settings.

464. **Issues in Commercial Recreation.** 3 hrs. Insight into issues that cause problems and lead to trends for the commercial recreation service industry.

465. **Advanced Club Management.** 3 hrs. A study of policies, procedures, and guidelines of military club programs and services.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

490. **Physical Education and Recreation for the Handicapped.** 3 hrs. Theoretical aspects and practical applications of physical education and recreation for the handicapped.

491. **Recreation Education for Teachers.** 3 hrs. Programs and benefits of recreation and leisure to motivate leaders who serve in educating individuals.

492. **Outdoor Recreation Seminar.** 3 hrs. A practical and philosophical introduction to the use of outdoors.

494. **Field Problems.** 1-6 hrs. Prerequisite: Permission of Director, School of HPER. To be used to pursue specialized interests in recreation and leisure. (Students undertaking a Senior Honors Project will enroll in REC H492.)

495. **Internship in Recreation.** 9 hrs. Internship under the direct supervision of a field professional.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

RELIGION (REL—288)

ANT 316. **Biblical Archeology.** May also be offered for credit as a religion course.

ANT 412. **Mythology and Folklore.** May also be offered for a credit as a religion course.

ANT 434. **Primitive Religion.** May also be offered for credit as a religion course.

131. **Comparative Religion.** 3 hrs. The study of religion as an aspect of human culture with attention to both Christian and non-Christian religions.

330. **Religion in Society.** 3 hrs. A study of religion in society and its interaction with and relation to other social values.

333. **The Old Testament.** 3 hrs. A study of the major themes and history of the Jewish religion.

335. **The Life of Jesus.** 3 hrs. A study of the major themes and history of the Christian religion.

340. **Afro-American Religion.** 3 hrs. The study of the origin, development, and current status of the religious beliefs and practices of Afro-Americans.

435. **Religions of the Near East.** 3 hrs. A survey of Judaism, Islam, and Zoroastrianism.

436. **Mysticism.** 3 hrs. A study of the major themes and issues of religious mysticism—East and West.

457. **Psychology of Religion.** 3 hrs. An examination of modern psychological perspectives on religious beliefs, experiences, and practices.

490. **Contemporary Religious Problems.** 3 hrs. An examination of specific problems within the broad spectrum of contemporary religious concern.

492. **Special Problems.** 1-3 hrs. Directed individual study. May be taken for a total of nine (9) hours.

499. **Religious Studies Abroad.** 3-6 hrs. The study of religious themes in various parts of the world. Offered abroad through the Center for International Education.

RESEARCH AND FOUNDATIONS (REF—125)

(Educational Foundations)

336. **Principles of Guidance.** 3 hrs. Deals with the fundamental philosophy, methods, and organization of guidance services in the public schools.

400. **Public Education in the United States.** 3 hrs. An orientation to teaching as a profession. Teacher education majors must be formally admitted to the teacher education program.

\+ 416. **Utilization of Audiovisual and Media Equipment.** 3 hrs. A general course for teachers with emphasis upon use, production, and selection of sound and visual classroom media.

421. **Seminar for Teaching Interns.** 9 hrs. Open to intern teachers only.

425. **Instructional Styles and Models of Media Programs.** 3 hrs.

430. **Teaching in the Space Age.** 3 hrs. A study of the influence of aerospace developments on society.

436. **Designing Educational Systems for Individualized Instruction.** 3 hrs. Emphasizes systems approach to individualizing instruction. Designed for teachers and library-media personnel.

469. **Tests and Measurements.** 3 hrs. Considers evaluative practices in education. Teacher education majors must be formally admitted to the teacher education program.

491. **School Media Center Administration Workshop.** 3 hrs.

494. **Field Problems.** 3 hrs. Prerequisite: Approval of department chair.

499. **British Studies: Research in British Education.** 3-6 hrs. To provide students with supervised research study on British education that relates to their own interests or educational specialty.

SCIENCE EDUCATION (SCE—380)

422. **British Studies: History of Science.** 3-6 hrs. Lecture series and research in the history of science offered abroad under the auspices of the Institute of Anglo-American Studies. (May be taken as BSC 422 or HIS 422)

+ 432. **Science for Elementary Teachers.** 3 hrs. Prerequisites: FS 131, 132, 133, 134, or 12 semester hours of science.

435. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor. (Same as MAR 458).

441. **Methods of Teaching the Metric System.** 3 hrs. Lectures and exercises in measurements using the International System of Units.

453. **Earth and Environmental Science for Intermediate School Teachers.** 3 hrs. Prerequisite: Earth and environmental science background or permission of the instructor.

454. **Biological Sciences for Intermediate School Teachers.** 3 hrs. An examination of subject matter, techniques, and methods for teaching the life sciences.

455. **Physical Science for Intermediate School Teachers.** 3 hrs. An examination of the subject matter, techniques, and methods for teaching physical sciences.

456. **Techniques in Marine Science Education.** 3 hrs. Marine resources of Mississippi. (Same as MAR 456).

457. **Marine Science for Teachers.** 3 hrs. Prerequisites: SCE 456 or permission. Advanced topics in marine science. (Same as MAR 457).

459. **Coastal Ecology for Teachers.** 3 hrs. Prerequisite: Permission of instructor. Corequisite: SCE 459L. Designed to provide teachers with a background in basic coastal ecology. (May be taken as MAR 459.)

459-L. **Coastal Ecology for Teachers Laboratory.** 1 hr. Prerequisite: Permission of instructor. Corequisite for SCE 459. (May be taken as MAR 459L.)

460. **Methods in Teaching Science—Secondary.** 3 hrs. Designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

+ 461. **Microcomputer Applications in the Teaching of Science.** 3 hrs. An examination of software, literature, research and strategies.

470. **Biology for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. An examination of the techniques and methods for teaching biology.

471. **Chemistry for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. Designed to familiarize teachers with materials, methods, and techniques.

472. **Physics for Secondary Teachers.** 3 hrs. Prerequisite: Permission of instructor. A course to familiarize teachers with content, methods, materials, and techniques.

+ 486. **Student Teaching in Sciences.** 12 hrs. Prerequisite: Approval of the Director of Student Teaching.

490. **Aerospace Resources for Teachers.** 3 hrs. Teachers and administrators are given a review of aerospace science and technology and how to take advantage of students' fascination with flying.

492. **Special Problems.** 1-3 hrs. arr. A problem study to be approved by the department chair.

499. **Field Studies in Marine Science Education.** 3-9 hrs. Prerequisite: permission of instructor. Study and investigate marine environments outside of Mississippi. Offered through the Institute of International Studies.

SOCIAL WORK (SWK—020)

230. **Introduction to Social Work.** 3 hrs. Prerequisites: SOC 101 or permission of instructor. Introduction to Social Work as a profession and to its practice methodologies, with an emphasis on the Generalist Method.

300. **Social Service Systems.** 3 hrs. Prerequisite: SWK 230 or permission of instructor. A study of the major social service systems in which social workers practice. Historical perspectives, value issues and current administrative policies are examined.

320. **Human Behavior and Social Environment.** 3 hrs. Prerequisites: SWK 230, 300 or permission of instructor. An examination of the growth, maturation, and aging process as well as cognitive, social, and other functions throughout the life span.

321. **Social Policy.** 3 hrs. Prerequisites: SWK 230, 300 or permission of instructor. Examination of the processes involved in the development of social welfare programs in the United States with some comparison to other national systems. Current social policy issues are addressed.

330*. **Social Work Practice I.** 3 hrs. Prerequisites: Social Work Major, SWK 230, 300. Development of generalist practice skills with a focus on direct services to individuals and families.

331*. **Social Work Practice II.** 3 hrs. Prerequisites: Social work major, SWK 300, 325, 330. Models of social work practice carried out in organizations and communities with emphasis on case management and resource development.

420. **Methods of Social Work Research.** 3 hrs. Prerequisite: Senior standing or permission of instructor. Methods of data collection, analysis, interpretation and reporting in preparation for the evaluation of Social Work practice and research.

430*. **Field Education.** 3-9 hrs. Prerequisites: Must have completed 115 hours of the required liberal arts curriculum, professional core and foundation electives with a 2.0 average. Internship in a social service agency to provide experience in direct service to clients and to enhance and develop practice skills.

431*. **Senior Seminar.** 1-3 hrs. Prerequisites: Completion of all courses through the first semester senior year and have a G.P.A. of 2.00. A living-learning seminar which emphasizes the personal role of the student as a professional learner. Experiences are analyzed in relation to professional goals and ethics. Discussion is integrated with career plans.

450. **Social Work with Children and Adolescents.** 3 hrs. Prerequisite: Junior status or above. An introduction to the practice settings which provide services to children and their families. Social work practice in child welfare agencies, youth courts and school systems will be the primary focus.

451. **Crisis Intervention.** 3 hrs. Prerequisite: Consent of instructor. Course presents theory as well as step-by-step intervention for the helping professional to assist the client in reducing temporary extreme stress.

452. **Social Work Practice with Various Lifestyles.** 3 hrs. Prerequisite: Consent of instructor. This course will explore social and psychological implications of various lifestyles for social work practice. Differences among various lifestyles will be explored. Ways in which these differences can be bridged within the context of social work practice will be explicated.

460. **Interviewing and Recording.** 3 hrs. Prerequisite: Consent of instructor. Fundamentals of good oral and written communication skills for social workers presented in a laboratory setting.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

492. **Special Problems.** 1-3 hrs. (May be repeated up to 9 hrs.) To be used to pursue specialized interests for which courses are not offered.

498. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Junior status or higher or consent of instructor. Interdisciplinary approach to the study of families of the developmentally disable.

*Majors Only

SOCIOLOGY (SOC—292)

101. **Introduction to Sociology.** 3 hrs. Prerequisite to all other sociology courses. Designed to give a general overview of the perspectives, concepts, and methodology of sociology. (JC 2113)

240. **Social Problems.** 3 hrs. A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change. (JC 2123, 2133)

301. **Wealth, Status, and Power.** 3 hrs. An introduction to the stratification of privileges and deprivations in American society, focusing on such topics as the declining Protestant establishment, the growing underclass, the use and abuse of power, and class lifestyles.

302. **Social Interaction.** 3 hrs. A sociological analysis of human interaction. Topics include childhood socialization, nonverbal communication, and the relationship of presentational styles and social contexts.

310. **Urban Sociology.** 3 hrs. An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology and ecological processes.

311. **Rural Sociology.** 3 hrs. A study of the structure, institutions, and social processes of rural society, and of the effect of urbanization on rural society.

314. **The Family.** 3 hrs. An analysis of the structure and functions of the family as an institution and the factors making for family change.

315. **Sociology of Religion.** 3 hrs. A study of religion as a social institution, its internal development, relationships to their institutions, and its cultural and social significance in modern societies.

340. **Deviant Behavior.** 3 hrs. How conceptions of deviance originate and persist through the process of social interaction, with emphasis on societal reactions to deviance and the adaptation of deviants to society.

341. **Criminology.** 3 hrs. A study of causes, treatment, and prevention of crime. Deals with criminology, penology, and criminal legislation.

350. **Sociology of Minorities.** 3 hrs. An analysis of socio-cultural factors in minority-majority relationships and their social and social-psychological implications.

355. **Collective Behavior and Social Movements.** 3 hrs. A study of the ways in which collective behavior and social movements relate to socio-cultural change.

410. **Sociology of Sport.** 3 hrs. The examination of sport as a social institution and cultural phenomenon. Topics include: sport and the media, sports violence, labor relations in sport, and sport in educational settings.

415. **Sex Roles and Gender in Society.** 3 hrs. A study of the relationship between sex roles and broader cultural patterns in various societies.

421. **Special Sociological Topics.** 3-9 hrs. Variable content. May be repeated three times in separate topical offerings.

423. **Sociology of Health.** 3 hrs. An analysis of the field of health and health care delivery from a sociological perspective.

424. **Sociology of Aging.** 3 hrs. A survey of demographic, social, and cultural aspects of aging with particular emphasis upon American society and the problems encountered by older persons.

426. **Sociology of Education.** 3 hrs. A comprehensive study of the educational institution, its relationship to the community and society.

430. **Political Sociology.** 3 hrs. A study of politics as a social institution, its relationship with other institutions and its place in a changing society.

433. **Field Work Practicum.** 3-9 hrs. Arr. Designed to provide the student with practical field experiences in a career-oriented area.

444. **Juvenile Delinquency.** 3 hrs. A study of the causes and nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

450. **Social Psychology.** 3 hrs. A study of how the thoughts and behaviors of individuals are influenced by the actual or implied presence of others.

460. **Quantitative Methods.** 3 hrs. A survey of quantitative research techniques, focusing on descriptive and inferential statistics and computer applications.

461. **Population.** 3 hrs. An introduction to demography, analyzing significant changes in population composition.

462. **Methods of Social Research.** 3 hrs. A study of the production and interpretation of social research with an emphasis on the relationship of theory and method.

471. **Social Institutions.** 3 hrs. A study of selected American social institutions, focusing on class and power structures, the rise of post-industrial society, religious and moral divisions, and democratic individualism.

475. **Social Inequality.** 3 hrs. Research and theory in social differentiation, class, status, power, and mobility. Analysis of inequality and the effects of socioeconomic status upon behavior and social organization.

481. **History of Social Thought.** 3 hrs. An examination of early social thought, tracing the development of western thought and ideas from Hammurabi to Comte.

482. **Sociological Theory.** 3 hrs. A study of classical and contemporary social theory, focusing on selected theorists (eg. Weber, Durkheim, Marx, Merton, and Goffman) and selected topics, including anomie and alienation, the rise of capitalism, theories of crime, and concepts of self.

492. **Special Problems.** 1-3 hrs. To be used to pursue specialized interests for which courses are not offered. (Students undertaking a Seniors Honor Project will enroll in SOC H492.)

499. **British Studies.** 3-6 hrs. Variable content. Lecture series and research offered abroad under the auspices of the Institute of Anglo-American Studies.

SPECIAL EDUCATION (SPE—190)

200. **Practicum in Special Education.** 1 hr. Observational methods. To be taken with SPE 400 or by special arrangement.

201. **Practicum in Special Education.** 1 hr.

202. **Practicum in Special Education.** 1 hr. Mini lessons and teacher aide work. To be taken with SPE 431 or 442.

400. **The Psychology and Education of the Exceptional Child.** 3 hrs. An introduction to exceptional populations and procedures and policies relating to their education and citizenship. Teacher education majors must be formally admitted to the teacher education program.

401. **Methods and Materials for the Multiply, Profoundly, and Severely Handicapped.** 3 hrs. Program and curricula development for children with severe learning problems to include the retarded, deaf-blind, and physical-medical deficiencies.

402. **General Methods in Special Education.** 3 hrs. The development of conceptual and writing skills associated with individual educational programs for the handicapped, materials, and media techniques.

403. **Educational Evaluation of Exceptional Children.** 3 hrs. Prerequisite: REF 469. Basic principles underlying measurement and evaluation in education with emphasis on interpretation as it relates to exceptional children.

405. **Early Intervention for Children with Special Needs.** 3 hrs. Individual educational planning for children age 0-5 with special needs.

411. **Language Development for the Handicapped.** 3 hrs. An introduction to language processes and common deficits related to the handicapped.

420. **Structure and Function of the Eye.** 3 hrs. Identification, function, and care of the eye as it relates to the visually handicapped.

421. **Methods and Materials in Teaching Visually Handicapped.** 3 hrs. A study of practices commonly used in education programs, including Braille, space orientation, special materials, and organizations.

422. **Braille.** 3 hrs. A skill course in communication through Type 2 Braille.

423. **Teaching of Braille.** 3 hrs. Prerequisite: SPE 422 or equivalent. Developing methods for teaching Braille to visually handicapped to include reading, mathematics, and production abilities.

424. **Mobility Training for the Visually Handicapped.** 3 hrs. An introduction to mobility, movement, and spatial awareness for the visually handicapped.

425. **Psychology and Education of the Visually Handicapped.** 3 hrs. A study of social-emotional and cognitive learning factors of the visually handicapped.

427. **Physically Handicapped and Other Health Impaired.** 3 hrs. A study of major handicapping conditions associated with physical and health impairments and their educational implications.

428. **Methods for Teaching the Physically Handicapped and Other Health Impaired.** 3 hrs. Educational programs, counseling techniques, and least restrictive alternative placements for the physically handicapped.

429. **Curriculum and Mobility Training for the Physically Handicapped.** 3 hrs. General curricula development and specific demonstration and simulations in mobility training.

430. **Learning Disabilities.** 3 hrs. Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and learning characteristics of specific learning disabilities.

431. **Individual Programming for Elementary Level Children with Specific Learning Disabilities.** 3 hrs. Methods, materials, and individual educational planning for elementary level students with specific learning disabilities.

432. **Individual Programming for Secondary Level Children with Specific Learning Disabilities.** 3 hrs. Methods, materials, and individual educational planning for secondary level students with specific learning disabilities.

440. **Mental Retardation.** 3 hrs. Prerequisite: SPE 440 or permission. A study of social, emotional, physical, and intellectual characteristics of the mentally retarded.

441. **Individual Programming for the Elementary Level Mentally Retarded.** 3 hrs. Methods, materials, and individual educational planning for mildly and moderately mentally retarded students at the elementary level.

442. **Individual Programming for the Secondary Level Mentally Retarded.** 3 hrs. Methods, materials, and individual educational planning for mildly and moderately mentally retarded students at the secondary level.

450. **Introduction to Behavioral Disorders.** 3 hrs. A basic study of personality and social deviation commonly found with school age pupils to include etiologies, programming, and service deliveries.

451. **Behavioral Management: Handicapped.** 3 hrs. Methods of affective development, control, and resources in behavioral problems with the handicapped.

460. **Characteristics of the Gifted and Talented.** 3 hrs. Study of gifted populations to include characteristics, learning modes, and assessment procedures.

461. **Basic Methods and Materials in Gifted/Talented Education.** 3 hrs. Curricula building activities for teachers in programs for the gifted.

470. **Organizational Procedures in Special Education.** 3 hrs. Study of alternative modes in educating handicapped, legal aspects, and administrative policies and processes.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

\+ 481. **Student Teaching: Educationally Handicapped.** 12 hrs.

\+ 482. **Student Teaching: Visually Handicapped.** 12 hrs.

\+ 483. **Student Teaching: Physically Handicapped.** 12 hrs.

\+ 484. **Student Teaching: Gifted and Talented.** 12 hrs.

489. **Seminar in Special Education of Student Teaching.** 1-6 hrs. In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers.

490. **Workshop in Special Education.** 1-3 hrs.

492. **Special Problems in Special Education.** 1-3 hrs. A consideration of special interest areas in the field of exceptional children. (Students undertaking a Seniors Honor Project will enroll in SPE H492.)

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of the developmentally disabled.

SPEECH AND HEARING SCIENCES (SHS—296)

101. **Orientation to Speech and Hearing Sciences.** 1 hr.

201. **Introduction to Phonetics.** 3 hrs.

202. **Fundamentals of Speech and Hearing Sciences.** 3 hrs.

202-L. **Fundamentals of Speech and Hearing Sciences Laboratory.** 1 hr.

211. **Introduction to Communication Disorders.** 3 hrs.

221. **Introduction to Audiology.** 3 hrs.

310. **Student Teaching: Clinical Observation.** 1 hr. First clinical and student teaching experience. Prerequisite: SHS 201, 211, 401 or Permission of Instructor.

311. **Clinical Assisting—Speech.** 1-3 hrs. Clinical experience assisting speech/language clinicians. Prerequisite: SHS 310 or Permission of Instructor.

312. **Clinical Assisting—Education of the Deaf.** 1-3 hrs. Prerequisite: SHS 310. Clinical experience assisting in education of the deaf.

313. **Clinical Assisting—Audiology.** 1-3 hrs. Prerequisite: SHS 310. Clinical experience assisting in audiology clinic.

401. **Language and Speech Development.** 3 hrs.

402. **Anatomy and Physiology of the Hearing Mechanisms.** 3 hrs.

403. **Anatomy and Physiology of the Speech Mechanism.** 3 hrs.

406. **Basic Neuroanatomy in Speech-Language Pathology.** 3 hrs. Prerequisites: SHS 402, 403 or Permission of Instructor.

408. **Instrumentation in Speech and Hearing Science.** 3 hrs. Prerequisites: SHS 202, 202L or Permission of Instructor.

410. **Intervention Language Disorders.** 3 hrs.

411. **Articulation Disorders.** 3 hrs. Prerequisites: SHS 201, 401 or Permission of Instructor.

412. **Diagnostic Procedures in Speech Pathology I.** 3 hrs. Prerequisites: SHS 201, 211, 401, 411 or Permission of Instructor.

413. **Voice Disorders.** 3 hrs. Prerequisite: SHS 403.

414. **Stuttering and Related Problems.** 3 hrs.

415. **Speech and Language Disorders of the Cerebral Palsied.** 3 hrs. Prerequisite: SHS 403.

416. **Adult Aphasia and Related Problems.** 3 hrs. Prerequisite: SHS 406 or Permission of Instructor.

417. **Speech and Language Disorders Related to Cleft Palate.** 3 hrs. Prerequisite: SHS 403.

418. **Advanced Clinical Methods.** 3 hrs. Prerequisite: Permission of instructor.

419. **Organic Speech Disorders.** 3 hrs. Prerequisites: SHS 202, 403, 411.

421. **Aural Rehabilitation.** 3 hrs. Prerequisite: SHS 221.

422. **Diagnostic/Prescriptive Teaching of the Hearing Impaired.** 3 hrs. Prerequisite: Senior standing or permission of instructor.

423. **Basic Sign Language.** 3 hrs. Concepts of total communication, sign language and finger spelling are stressed.

425. **Psycho-Social Factors Associated with Hearing Impairment.** 3 hrs. Prerequisite: Permission of instructor.

426. **Secondary School Methods and Curriculum for Hearing Impaired Children.** 3 hrs. Prerequisites: SHS 433, and permission of instructor.

428. **Clinical Audiology I.** 3 hrs. Prerequisite: SHS 221.

429. **Intermediate Sign Language.** 3 hrs. Prerequisite: SHS 423 or permission of the instructor. Course is a continuation of the Basic Sign Language course with additional signs and situational experiences.

430. **Speech Pathology and the Hearing Impaired Child.** 3 hrs.

431. **Language Disorders I: Assessment of Children with Language Disorders.** 3 hrs. Prerequisite: SHS 401.

432. **Language Disorders II: Habilitation of the Aphasic Child.** 3 hrs. Prerequisite: SHS 401.

433. **Developing Language Skills with the Hearing Impaired.** 3 hrs.

434. **Learning Strategies for the Multi-Handicapped Hearing Impaired Child.** 3 hrs. Prerequisites: EPY 374, SPE 400, SHS 433, or permission of instructor.

435. **Developing Oral/Aural Communication in Hearing Impaired Children.** 3 hrs.

436. **Developing Reading in the Hearing Impaired.** 3 hrs. Prerequisite: SHS 433 or permission of instructor.

437. **Introduction to Education of the Hearing Impaired.** 3 hrs.

439. **Education of Preschool Hearing Impaired Children.** 3 hrs. Prerequisites: SHS 221 and permission of instructor. Practicum required.

440. **Advanced Methods of Communicating with the Hearing Impaired.** 3 hrs. Prerequisite: Permission of instructor. Develops extensive sign vocabulary; introduces ethics of interpreting; and individualizes training for specific situations.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors project will enroll in SHS H492.)

495. **Student Teaching: Deaf.** 12 hrs. Intensive practicum in school setting covering full range of teaching responsibilities with a certified teacher of the hearing impaired.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

499. **British Studies: Comparative Problems in Speech and Hearing Sciences.** 3-6 hrs.

SPEECH COMMUNICATION (SCM—216)

100. **Human Communication.** 3 hrs. An overview of the field of human communication, including interpersonal, and small group, organizational, and mass communication.

111. **Oral Communication.** 3 hrs. Communication principles and practice in the preparation and delivery of public speeches. (JC-SPT 1113)

210. **Voice and Diction.** 3 hrs. Instruction in phonetics, the relationship between speech and social roles, and the development of a standard English dialect. May be taken in concert with SCM 300-L. **Oral Language Laboratory.** (JC-SPT 1153)

300-L. **Oral Language Laboratory.** 1 hr. An oral language laboratory.

303. **Argumentation and Debate.** 3 hrs. Theory and practice in inquiry and advocacy involving analysis, reasoning, organization and presentation of oral arguments for decision making.

305. **Interpersonal Communication.** 3 hrs. A course designed to improve students' competence in and understanding of interpersonal relationships.

310. **Forensics.** 1 hr. May be repeated for three hours credit. For participation in Inquiry and Advocacy, USM's public debate program.

311. **Persuasion.** 3 hrs. Study of classical and contemporary theories and strategies of persuasion with applications to public address, advertising, and public relations.

312. **Interviewing Principles and Applications.** 3 hrs.

315. **Advanced Public Speaking.** 3 hrs.

320. **Business and Professional Speaking.** 3 hrs. A course to develop student skills in a broad group of special communication settings pertinent to the world of work, e.g., running meetings, making technical reports, and group problem solving.

330. **Small Group Communication.** 3 hrs. Provides students with the basic skills and principles of communication pertinent to the small problem-solving group.

350. **Nonverbal Communication.** 3 hrs. An examination of the varieties of nonverbal communication and their role as context for speech communication.

403. **Political Communication.** 3 hrs. A comprehensive study of the role of communication in political campaigns and in the general political process.

405. **Relational Communication.** 3 hrs. Reviews the development of interpersonal processes that effect relationships in social, intimate, work, and family contexts.

410. **Organizational Communication I: Theory and Process.** 3 hrs. A survey of approaches to the study of organizational communication and aspects of the communication process within organizations.

411. **Managing the Forensics Program.** 3 hrs.

412. **Advanced Persuasion.** 3 hrs. Extension of the introductory course in persuasion. Students will study theories, concepts, and issues in persuasion from classical to current times.

415. **Rhetorical Criticism.** 3 hrs. Discusses the variety of strategies critics use to analyze and interpret public communication. Contemporary speeches are examined.

417. **Practicum.** 3 hrs. May be repeated once. Prerequisite: Permission of instructor. Students are placed in an organization or institution, usually off campus, in which they work and closely observe communication. Includes research on a relevant topic and a final report.

420. **Organizational Communication II: Assessment and Training.** 3 hrs. A survey of methods for determining the quality and kind of communication within organizations and training methods for improving organizational communication.

425. **Organizational Communication III: Data Gathering and Analysis.** 3 hrs. Means of gathering and analyzing organizational communication data, including flow, climate, and style.

430. **Communication and Small Group Decision-Making.** 3 hrs. Examines theory, research, and practice concerning the role and importance of communication in tasks-oriented groups. Emphasis on decision-making.

435. **Speech Communication in Legal Contexts.** 3 hrs. Theoretical implications, research findings, and persuasive strategies used in various legal contexts are studied.

440. **Health Communication.** 3 hrs. Examines health communication theory and practices with attention given doctor-patient interactions in interpersonal, small group, interviewing, and organizational contexts.

450. **Seminar in Speech Communication.** 3 hrs. An examination of various theories of speech communication and various settings for their application. May be repeated for up to 6 hours credit.

459. **Methods in Speech Communication.** 3 hrs. A general orientation to the teaching of speech communication, followed by individualized unit work in the special fields of speech communication. (Co-listed as CIS 459.)

460. **Public Advocacy and Advanced Argumentation.** 3 hrs. Examination of advanced theories, issues, and concepts in public advocacy and argumentation.

475. **Gender Issues in Speech Communication.** 3 hrs. Examination of gender issues as applied to interpersonal, professional, organizational, persuasive, and political communication.

490. **Theories of Speech Communication.** 3 hrs. A survey of theoretical perspectives on speech communication, e.g., psychological, rhetorical, linguistic, and human relations.

492. **Special Problems.** 1-3 hrs. Prerequisite: Permission of instructor. Directed research in a topic of interest to the student. (Students undertaking a Seniors Honor Project will enroll in SCM H492.)

499. **British Studies in Communication.** 3-6 hrs. Various topics. Communication research and practice in Great Britain. Taught only in Great Britain under auspices of the Institute of Anglo-American Studies.

THEATRE (THE—689)

100. **Theatre Appreciation.** 3 hrs. An introduction to theatre as an art form, reflecting the aesthetic aspects and social conditions of a culture. (JC 2233)

103. **Introduction to Theatre.** 5 hrs. (3 hrs. lecture and 2 hrs. laboratory). An introduction to the principles of theatre, with involvement in the rehearsal, production, and performance process as they apply to major departmental productions. (JC-SPT 1213.)

111. **Fundamentals of Oral Interpretation.** 3 hrs. General educational approach to the art as a means of communicating literary content. (JC-SPT-2143)

115. **Voice for the Actor.** 3 hrs. Vocal methods and techniques for use in the theatre.

120. **Fundamentals of Acting.** 3 hrs. An introductory acting technique course using modern scene study and improvisations (JC-SPT-1233).

200. **Stagecraft.** 5 hrs. Introduction to scenographic theory and techniques with practical application. (JC-SPT-2223)

201. **Introduction to Costume and Makeup.** 5 hrs. Introduction to theatrical costume and makeup theory with its practical application.

202. **Costumes for the Dance.** 2 hrs. Prerequisites: DAN 259 or THE 201. Study of costumes in the dance and their effect on performance. Basic patterns and construction techniques will be mastered.

215. **Stage Dialects.** 3 hrs. Prerequisite: THE 115 or consent of instructor. Introduction to stage dialects.

240. **Mime and Pantomime.** 2 hrs.

301. **Reader's Theatre.** 3 hrs. Prerequisite: THE 111. Theories and problems of presenting prose, poetry, and drama in group performances.

304. **Intermediate Makeup.** 3 hrs. Painted character makeup.

306. **Introduction to Scenery and Lighting.** 5 hrs. Prerequisites: THE 200, 201. Theory and practice in the utilization of stage scenery and lighting with daily involvement in their practical application to major departmental productions.

310. **Intermediate Acting I.** 3 hrs. Prerequisite: THE 120. A continuation of fundamentals of acting on a more intense level. To include a study of audition practice and technique.

315. **Voice for the Actor/Singer.** 3 hrs. Vocal techniques for the singing actor.

320. **Directing.** 3 hrs. Prerequisites: THE 100 or THE 103 and THE 120.

361. **Stage Movement/Combat.** 2 hrs. Performance course designed to cover basic stage movement, acrobatics, faints, falls, slap-stick comedy and hand-to-hand combat.

401. **Costume Design.** 3 hrs. Prerequisite: THE 201 or consent of instructor.

403. **Advanced Movement/Combat.** 2 hrs. Prerequisite: THE 361. Course in stage movement and dance as well as stylized movement and stage combat.

406. **Scenic Design.** 3 hrs. Prerequisite: THE 306. Elements of Scene Design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

410. **Stage Sound Engineering.** 3 hrs. Principles and practice in stage sound engineering.

411. **Advanced Voice for the Actor.** 3 hrs. Prerequisite: upper-level standing. Diction, projection, and techniques for dealing with period language.

412. **Stage Lighting.** 3 hrs. Prerequisite: THE 306. Theory and application of general and special lighting, color, instrumentation, and control.

414. **Improvisation.** 3 hrs. Prerequisite: 310. A performance course for actors, directors and teachers of drama, utilizing improvisation as a tool for instruction.

415. **Fundamentals of Children's Theatre.** 3 hrs. Methods and techniques of producing plays for elementary school age children.

416. **Intermediate Acting II.** 3 hrs. Prerequisites: THE 310 and instructor approval and/or audition. Improvisation and advanced scene study, including absurdist, classic, surrealist and verse drama.

417. **Period Acting Styles I.** 3 hrs. Prerequisites: THE 416. Study of acting styles from ancient Greece through Shakespeare. Utilizing speech, movement, acting style and masks.

418. **Period Acting Styles II.** 3 hrs. Prerequisites: THE 416. Study of acting styles from restoration through 1900. Utilizing speech, movement and acting style.

420. **Advanced Directing.** 3 hrs. Prerequisite: THE 320.

427. **Theatre History I.** 3 hrs. Prerequisites: All 200 level requirements complete or consent of instructor.

428. **Theatre History II.** 3 hrs. A continuation of THE 427.

429. **Dramatic and Performance Theory.** 3 hrs. Prerequisites: All 200 level requirements complete or consent of instructor. Examination and evaluation of dramatic and performance theory from antiquity.

430. **Summer Theatre I.** 3 hrs. Concentrated applied theatre.

431. **Summer Theatre II.** 3 hrs. A continuation of THE 430.

433. **Design Studio I.** 3 hrs. Prerequisites: THE 200 and 201. Rendering commonly used theatrical materials.

434. **Design Studio II.** 3 hrs. Prerequisite: THE 306. Scenographic techniques.

435. **Advanced Scene Design.** 3 hrs. Prerequisite: THE 306 or consent of instructor. The techniques of scene design as applied to non-realistic stage settings.

445. **Advanced Stage Lighting.** 3 hrs.

450. **The Audition Process.** 2 hrs. Prerequisites: THE 416 and consent of instructor. An acting class designed to help prepare students for professional auditions and interviews.

451. **The Rehearsal Process.** 2 hrs. Prerequisites: THE 416 and consent of instructor. An acting class designed to dissect and analyze the rehearsal process from casting through production.

459. **Musical Theatre Production.** 3 hrs. Study of the different forms and styles of Musical Theatre with special attention to the various elements of production.

460. **Costume Design Studio.** 3 hrs. Projects in designing costumes for plays, opera, and dance. Emphasis placed on costume designs as an element in a total production concept.

461. **Advanced Theatrical Makeup.** 3 hrs. Projects in makeup design and execution. Emphasis placed on three-dimensional makeup techniques for theatre, television, and film.

471. **Performance and Production Internship.** 1-9 hrs. May be taken for a total of nine (9) hours. Professional experience in residence with approved professional organizations.

480. **Directing Children's Theatre.** 3 hrs. The techniques of directing, organizing, and administering a children's theatre program.

481. **Repertory Theatre.** 3-9 hrs. Participation in the analysis and preparation of the performances of three plays in repertory. Student must enroll in three 3-hour sections.

482-L. **Practicum in Box Office and Publicity.** 1-3 hrs. May be taken for a total of nine (9) hours.

483-L. **Practicum in Scene Design and Technical Theatre.** 1-3 hrs. May be taken for a total of nine (9) hours.

484-L. **Practicum in Lighting and Sound Engineering.** 1-3 hrs. May be taken for a total of (9) hours.

485-L. **Practicum in Reader's Theatre and Oral Interpretation.** 1-3 hrs. May be taken for a total of nine (9) hours.

486-L. **Practicum in Creative Dramatics and Children's Theatre.** 1-3 hrs. May be taken for a total of nine (9) hours.

488-L. **Practicum in Acting and Directing.** 1-3 hrs. May be taken for a total of nine (9) hours.

489-L. **Practicum in Costume and Makeup.** 1-3 hrs. May be taken for a total of nine (9) hours.

490. **Theatre Workshop.** 3 hrs. Designed for the non-theatre major (i.e., English, speech, music, etc.) who is responsible for directing school or community drama activities.

492. **Special Problems.** 1-3 hrs. To allow individual students or groups of students to study special advanced problems in theatre not normally addressed by regular courses. (Students undertaking a Senior Honors Project will enroll in THE H492.)

497. **Theatre Exchange Studies Abroad.** 9-15 hrs. Opportunity to study theatre for one semester in an approved exchange program abroad. Offered under auspices of Center of International Education.

499. **British Studies in Theatre.** 3-6 hrs.

THERAPY (THY—740)

411. **Seminar in Corrective Therapy.** 1 hr. An introductory seminar for students interested in careers in Corrective Therapy.

421. **Clinical Experience.** 1-4 hrs. Arr. A supervised internship in various habilitation, rehabilitation, or neuropsychiatric clinics. May be repeated.

454. **Neurological Concepts and Implications in Human Functioning.** 3 hrs. A review of the central nervous system and pathology as related to muscular control and diseases that limit normal human functioning.

455. **Pathological Concepts and Implications in Human Functioning.** 3 hrs. A review of dynamic disease processes that affect body functioning with an emphasis on those diseases which affect the major organs or systems related to motor functions.

461. **Corrective Therapy and Rehabilitation Medicine.** 2 hrs. An introduction to the basic concepts and considerations necessary for effective functioning in the clinical setting.

462. **Spinal Cord Injuries and Muscle Disorders.** 2 hrs. A review of normal and abnormal functioning of the motor pathways with emphasis on evaluation and rehabilitation of specific motor disorders and spinal cord injuries.

463. **Normal Human Locomotion.** 2 hrs. An indepth analysis of normal human locomotion and its impact on ambulation training, prosthesis gait deviations, and blind mobility training.

464. **Cardiovascular and Respiratory Disorders.** 2 hrs.

471. **Accelerated Corrective Therapy Rehabilitation Ward Program.** 2 hrs. An introduction to the basic concepts and treatment procedures used in accelerated rehabilitation ward programs.

472. **Dynamics of Psychiatric Group Rehabilitation Programs.** 2 hrs. The complexities in directing neuropsychiatric group activities.

473. **Neuro-Psychiatric Geriatric Training.** 2 hrs. An introduction to the multi-problem areas of communication with motivating and treating the geriatric, neuro-psychiatric patient.

474. **Programs for the Severely Disturbed Psychiatric Patient.** 2 hrs. An introduction to the problems of treating the psychiatric patient in a locked ward setting.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

TOXICOLOGY (TOX—385)

470. **Survey of Toxicology.** 3 hrs. Prerequisite: CHE 256. A one-semester survey course in toxicology.

TRAFFIC AND SAFETY EDUCATION (TSE—720)

440. **Introduction to Driver Education.** 3 hrs. Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation and traffic law.

441. **Traffic Safety Education.** 3 hrs. An in-depth study of the major problems in traffic safety, including driver, pedestrian, engineering, and enforcement.

442. **Laboratory Programs in Driver Education.** 3 hrs. An examination of the aims, objectives, and role of laboratory programs in driver education.

443. **Methods of Driver and Traffic Safety Education.** 3 hrs. Prerequisite: TSE 440. Methods and techniques to develop competence in transferring knowledge and skills.

444. **Simulation in Driver Education.** 3 hrs. Prerequisites: TSE 440 and TSE 443. An audiovisual instruction method designed to complement and supplement other instructional techniques.

445. **Driver Education and Laboratory.** 1 hr. This course is designed to provide students who are enrolled in TSE 443 with supervised teaching experience.

446. **Innovative Programs of Driver Education.** 3 hrs. New and unique teaching methods of driver and traffic safety education.

488. **Motorcycle Safety Education.** 3 hrs. Analysis of the motorcycle traffic problem; methods of teaching classroom and laboratory phases of motorcycle education.

489. **Driver Education for Special Students.** 3 hrs. Curriculum development and teaching materials in traffic safety education for special education students.

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